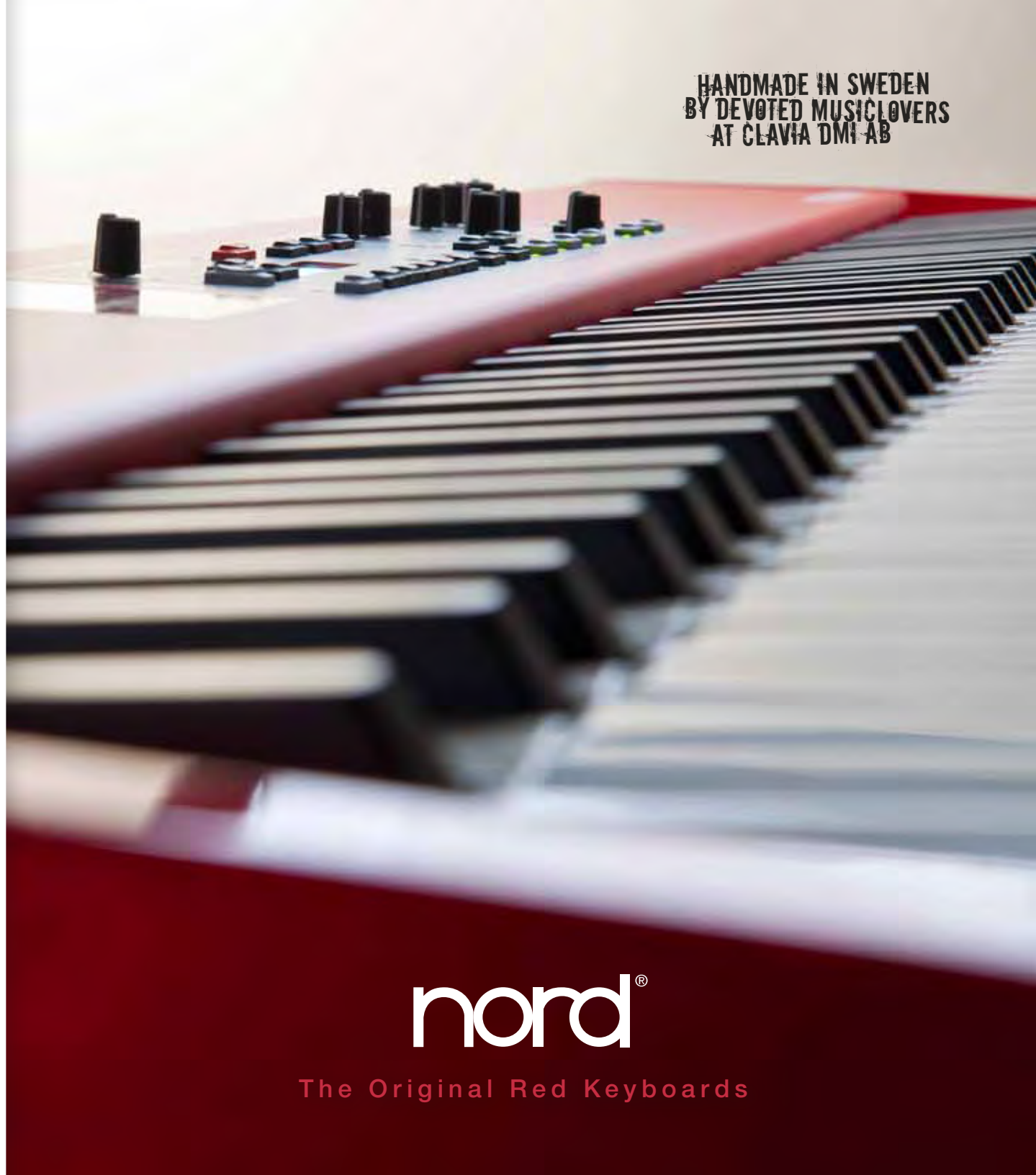
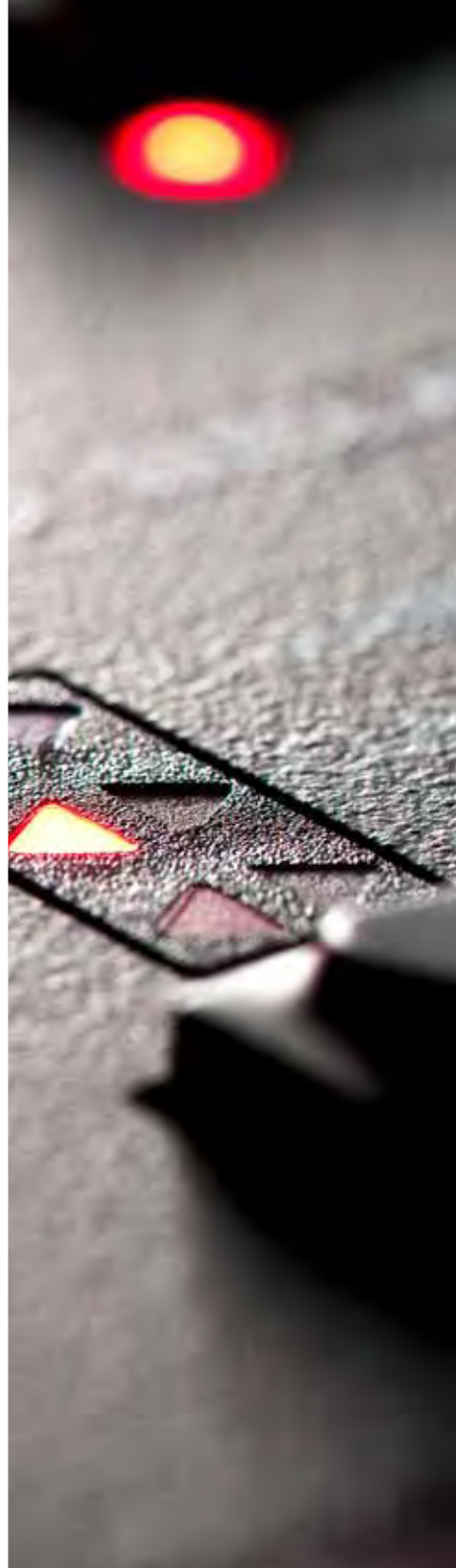


NORD KEYBOARDS • WINTER 2010



HANDMADE IN SWEDEN
BY DEVOTED MUSIC LOVERS
AT CLAVIA DMI AB

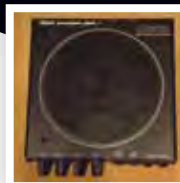
nord®

The Original Red Keyboards

IT ALL STARTED BACK IN 1983...

1983

Digital Percussion Plate 1. For the first time ever drummers could play sampled sounds with great feel and dynamics. The sounds were stored on removable EPROM cartridges in 8-bit format. Needless to say, the product was an instant success.



1984

ddrum was introduced, featuring an innovative new pad construction featuring real drum heads and hoops. The ddrum versions 1 to 4 all became very successful and many people still regard them as being the best triggering digital drum system around.



1995

The **Nord Lead** was released. Clavia's first synthesizer and the first on the market to emulate analog synthesis. The Virtual Analog with its warm analogue-like sound and straight forward user interface quickly became a huge success.



1997

The **Nord Modular** was the first digital modular synthesizer. By dragging modules on the computer screen and connecting them with "virtual patch cords", you can design the synthesizer of your dreams, possibly the most flexible and innovative synthesizer that has ever been produced.



2001

The goal when developing the **Nord Electro** was to create the best emulations of classical electro-mechanical keyboards. The Nord Electro didn't offer any brass sounds or orchestral banks, just outstanding electro-mechanical sounds with a lot of passion. Unlike the instruments it emulates it is also extremely portable.



2001

The **Nord Lead 3** was also released in 2001 and has been described as the ultimate performance synthesizer. The design of the panel with the LED Rotary Dials, the intuitive layout and the great sound made the Nord Lead 3 a classic stage and studio favorite instrument.



2010

The **Nord Piano 88** was released together with the **Nord Piano Library DVD**.



2009

The **Nord C2 Combo Organ** contains not only every award winning detail from its predecessor, it also features an updated tonewheel model for even more realism and a brand new addition – a wonderful baroque pipe organ.



2008

In late 2008 the first feature rich **Nord Electro 3** left the assembly line.



2008

The **Nord Stage EX** series was introduced in November 2008, with a 256 MB capacity for the piano memory and a new color scheme on the panel.



2007

The **Nord Wave** was released; a virtual analog synthesizer capable of using any standard audio file as an oscillator source - making it a digital sample player in a virtual analog environment. The best of two worlds integrated in a single unit that is small in size, big in sound, and extremely intuitive and easy to use.



2007

The 2nd generation of Clavia's famous tonewheel model was released in the dual manual **Nord C1 Combo Organ**. Weighing in at merely 15 kg or 34 lbs. you have 3 vintage organs in one package. Not just the sound, but the feel and response too. And a roaring overdrive. And a bunch of out-board effects. And several amps and a rotating speaker.



2005

Clavia's first model in the Stage series, the **Nord Stage** was released. A flagship instrument featuring many of Clavia's areas of expertise. In addition to great acoustic and electric piano sounds you get organ emulations, loads of effects, master keyboard functionality and even a synthesizer! Regardless of your musical style, the Nord Stage has a lot to offer.





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SOUND LIBRARIES



THE NORD PIANO LIBRARY v5



DVD contents

Grand Pianos
Upright Pianos
Harpsichords
Electric Pianos

AT NORD WE DO THINGS DIFFERENTLY

v5 is a platform for the Nord Piano sounds, that was developed originally for the Nord Piano. The platform includes both new and re-mastered sounds in the highly acclaimed Nord Piano Library.

The Nord Piano Library v5 contains some of the finest acoustic and electric pianos on the market, and can be used in the Nord Piano, Nord Stage EX, Nord Stage and Nord Electro 3.


The acoustic grand pianos and uprights are available in three sizes; large, medium and small. Please note that these three sizes uses the same amount of zones and velocity levels, which means that they have the same great expressiveness and sound quality. The differences between the sizes are in the amount of String Resonance samples. This can help you optimize the memory usage in your Nord unit.

When we look for additions to the Nord Piano Library, character is everything. And when we have found that character, we try very hard to keep it. The german-manufactured grand pianos for example can be easily identified by the woody qualities of their distinctive timbre and you can clearly spot the dynamic smoothness from their Japanese counterparts. The uprights all have a distinct sound of their own, ranging from the almost grand-like Queen Upright, a great selection of wonderful European uprights to the Honky Tonk, that sounds like it could have been taken right out of an adventure film from 1904.

No two vintage electric pianos sound the same anymore, and the Nord Piano Library v5 versions are no exception - there is enough character in this category to keep you smiling for a long time. The variety that we offer from the '67 Sparkletop with its felt hammers and non-tapered original Ray-Mac tines, via the Mk I's, Mk II, the "dyno-modified" Mk I Suitcase to the rare Mk V, the Wurlitzer A200, the CP80 and the Clavinet D6's four pickup positions is unsurpassed.

The rich and mighty Harpsichords offers you an exquisite pallet of sounds, with the proper key-release noises when the quills hit the strings again on the return after you've released the key, and a selectable, natural string resonance in the Nord units that support this feature.





ALL ACOUSTIC PIANO
SOUNDS ARE AVAILABLE
IN 3 SIZES – SMALL,
MEDIUM AND LARGE

No matter which size you decide to use, you will have the same great sounding and very expressive piano at your fingers. The only differences between the three sizes are the use of the memory demanding String Resonance samples. Check our website www.nordkeyboards.com for the latest updates, as we are constantly adding new sounds to the library.

THE NORD PIANO LIBRARY v5

Grands, Uprights and Harpsichords



GRAND LADY-D

This German 9-foot beast captures the full sound from the tapered, double crowned soundboard and every nuance resonating in the huge maple body.

STUDIO GRAND 1

The recording of the Studio Grand was done with a close-up microphone positioning to provide you with a very projective character.

STUDIO GRAND 2

The Studio Grand 2 is a meticulously prepared grand with a sonic response from the very softest pp passages to a strong FF presence.

CONCERT GRAND 1 CLOSE

This mighty grand was captured with the microphones positioned close to the strings providing the ideal sound when you wish to add your own choice of ambience or performing live.

CONCERT GRAND 1 AMB

A grand piano with the preferred placement of the microphones, for a classical performance. The ambience is the grand piano itself interacting with the acoustics of the concert hall.

BLUE SWEDE UPRIGHT

The Blue Swede is a tall upright from a Swedish piano manufacturer with a reputation for building great instruments.

QUEEN UPRIGHT

The clear, sustaining sound is typical for this upright, reflecting the selected materials and excellent finishing of the original instrument.

ROMANTIC UPRIGHT

The touch and tone of the Romantic Upright are harmonized perfectly from the powerful bass notes up to the sparkling treble register.

HONKYTONK UPRIGHT

With nails replacing the traditional felt hammers, this piano most certainly has a sound of its own.

BLACK UPRIGHT

The hammers on the original piano are voiced for a soft tone; a characteristic for these upright pianos that the Nord Piano Library version truly reproduces in great detail.

RAIN PIANO UPRIGHT

Upright piano manufactured by the Swedish Piano Factory, carefully tuned to sound like a typical "parlour" piano. The recording was done with a close-up microphone positioning.

SALOON UPRIGHT

Look no further for a great, ragtime and boogie'ing personality. The Saloon Upright is heavily de-tuned, do not sit with your back towards the door..

FRENCH HARPSICHORD

This is a triple stringed French harpsichord, recorded in various settings at the Swedish National Radio.

ITALIAN HARPSICHORD

This instrument is a beautiful Italian double stringed harpsichord, recorded at the Swedish National Radio.

THE NORD PIANO LIBRARY v5

Electrics



ELECTRIC GRAND CP80

The touring and recording Electric Grand from the 80's, with a very characteristic sound. The leather hammers, short strings and the lack of a resonant body helped to produce a unique sound.

ELECTRIC GRAND MODEL G

This is a one of a kind custom modified Gärbstedt acoustic grand piano fitted with CP-80 pick-ups.

EP TINES 1 MK I DEEP

Manufactured in May 1978 and adjusted to "deep timbre adjustment" which gives the piano a warm sound with a rich fundamental.

EP TINES 2 MK I SUITCASE

Manufactured in January 1975. We fine-tuned the mechanics and adjusted the tines according to the 'ideal' timbre adjustment.

EP TINES 3 MK II

Manufactured in April 1981 and adjusted to "shallow" timbre.

EP TINES 4 MK V

Manufactured in June 1984 and adjusted to 'ideal' timbre. The sound of the Mark V offers improved clarity in the upper range, better consistency of tone in the low range and increased sustain.

BRIGHT TINES

We prepared our magnificent 1975 mk I Suitcase with a special selection of hard hammer tips in certain ranges, an adjustment of the striking line and re-voicing of the harp, in order to get "that" bell sound.

SPARKLETOP

All the tine based electric pianos manufactured during the period of the late sixties featured wooden piano hammers (felt-covered, teardrop shape) and non-tapered Raymac tines. This combination produced the raw, bell-like sound heard on many famous recordings.

EP REEDS 200 A

Some say that this fat reed-sound of the Wuritzer 200 A fits better in a pop- or guitar-oriented setting than the tine based electric pianos.

CLAVINET

The Clavinet is represented with all the 4 possible pick-up selections from the original.



Nord Piano Library DVD



All the pianos can be downloaded from the www.nordkeyboards.com website, free of charge. The Nord Piano Library DVD can be purchased at your local Nord retailer.



Listen to the Nord Piano Library at www.nordkeyboards.com





Nord Sample Library

Original sounds for free



DVD contents

Chamberlin
Mellotron
Strings / String Machines
Wind / Brass
Tuned Percussion
Accordion / Organs
Guitar / Bass
Voices
Acoustic / Electric Pianos
Synth

ORIGINAL SOUNDS

The Nord Sample Library contains some of the best sounding samples on the planet, no matter if it is acoustic or electric sounds that you are interested in.

The Nord Electro 3 and the Nord Wave are delivered with a selection of these samples in their factory sound banks, the rest of the Library are found on the Nord Sample DVD that is delivered with every Electro 3 and Wave. Samples are easily transferred to the Nord unit with the Nord Sound Manager application.

New Samples are added to the Library on a regular basis. As a great addition to the fabulous Mellotron sounds, we added the Chamberlin and then expanded both these installments with un-looped versions. Other additions contain some 180 different vintage keyboard sounds and a huge section of Nord Greatest Hits, with more than 370 superb sounds from the Nord Lead 2X, Nord Lead 3 and Nord Modular G2X.

In order to provide you with the best quality, we have teamed up with top-notch sample content creators like Kirk Hunter Studios, Precision Sound and Sonic Reality.

New sounds are made available as free downloads in the Library area on the www.nordkeyboards.com website. The extensive Sample Library pages also include complete lists of the samples and audio demos.

NORD SAMPLE EDITOR

The Nord Sample Editor is the application that allows you to create and load collections of audio files to and from the sample memory area of a Sample Library compatible Nord instrument.

The Sample Editor will assist you in your editing efforts; it contains powerful tools for various actions that can be applied to a sample. These tools will for instance help you in setting a start point of a sample, creating a loop and other tasks that are essential in making the samples ready for use in the Nord unit. The Editor also has functions for automatic mapping of samples across the keyboard and much more. Read more on the www.nordkeyboards.com website.



SOUND LIST WITH COMMENTS

Mkl Lead sounds

| | |
|--|-------------------------|
| Mkl Clarinet | |
| Mkl French Horn | |
| Mkl Marimba | |
| Mkl Trombone | Very different from Mkl |
| Mkl Hammond Organ | |
| Mkl French Accordion | Same as Mkl |
| Mkl Flute | Same as Mkl |
| Mkl Acoustic Nylon Guitar | |
| Mkl Piano | Very different from Mkl |
| Mkl Tenor Sax | Very different from Mkl |
| Mkl Harpsichord/Trumpet+trombone split | |
| Mkl Reverb Organ | |
| Mkl Mandolin | Mandola-like |
| Mkl Organ | |
| Mkl Vibraphone | Same as Mkl |
| Mkl Trumpet | |
| Mkl Tibia Organ | |
| Mkl Church Organ | |

Mkl Lead sounds

| | |
|---------------------------|---|
| Mkl Flute | Beatles, Stones, Led Zeppelin, Pink Floyd, ABBA, Chili Peppers, etc |
| Mkl 3 Violins | Led Zeppelin, Moody Blues, Stones, etc, etc |
| Mkl Acoustic Steel Guitar | |
| Mkl Trombone | Beatles |
| Mkl Organ 1 | |
| Mkl French Accordion | |
| Mkl Rock Guitar | |
| Mkl Brass | Genesis, King Crimson, Moody Blues, Stones, Beatles |
| Mkl Piano | |
| Mkl Muted Brass | Moody Blues |
| Mkl Harpsichord | |
| Mkl Accordion | Genesis |
| Mkl Organ 2 | |
| Mkl Tenor Sax | |
| Mkl Vibraphone | Gracious |
| Mkl Mandolin | Beatles |
| Mkl Tibia Organ | |
| Mkl Church Organ | |

M300 Lead sounds

| | |
|----------------------|-----------------------|
| M300 Strings | David Bowie |
| M300 2 Violins | Barclay James Harvest |
| M300 Solo Violin | |
| M300 Slow Vibraphone | |
| M300 Bass Flute | |
| M300 Clarinet | |
| M300 Celeste | |

M400 Lead sounds

| | |
|--------------------------|---|
| M400 Solo Cello | Oasis, King Crimson, Chili Peppers etc. |
| M400 Solo Viola | |
| M400 16 Violins | Air |
| M400 String Section I | |
| M400 String Section II | |
| M400 8Voice Choir | Radiohead, Genesis, Chili Peppers, Tangerine Dream etc. |
| M400 4Voice Female Choir | |
| M400 4Voice Male Choir | |
| M400 Mixed Custom Choir | |
| M400 Male Solo Voice | |
| M400 Boys Choir | |
| M400 Pipe Organ | |
| M400 Oboe | Tangerine Dream |
| M400 English Horn | |
| M400 Bassoon | Tangerine Dream |
| M400 Alto Sax | Tangerine Dream |
| M400 Clavichord | |
| M400 2Brass | |
| M400 2Saxes | |
| M400 Recorder | |
| M400 Wine Glasses | |
| M400 Vibes w/o Vibrato | |
| M400 Tubular Bells | |
| M400 Celeste | |
| M400 Hammond C3 | |

EXCLUSIVE NORD LICENSING: THE MELLOTRON LIBRARY



Although the Mellotron had been used earlier by some British bands, the song Strawberry Fields Forever by the Beatles (Flute) and Nights in White Satin by the Moody Blues (3 Violins) in 1967 became the first Mellotron 'hits' both in Europe, the US and the rest of the world, forever making a mark in music history.

The M400 was used on the road and in the studio during the 1970's by Led Zeppelin, Pink Floyd,

Genesis, Yes, Deep Purple, Aerosmith, Wings, David Bowie, Kraftwerk and many others. Through the extremely successful music of these groups and artists the Mellotron sound has been widely spread, and even though most people don't know that it's a Mellotron, they've surely heard the sound.

During the 80's the Mellotron remained virtually unused. Most notable exceptions are Talk Talk in Life's What You Make It and OMD's Enola Gay and other songs by these bands.

The Mellotron experienced a renaissance during the 1990's when numerous bands and artists like Red Hot Chili Peppers, Lenny Kravitz, Oasis, Radiohead, Air, Monster Magnet, REM and Manic Street Preachers began reusing it. In the new millennium the Mellotron has already gained even more popularity and has been used on hits by Dido, Nelly Furtado, Daniel Powter, Robyn, The Black Eyed Peas and The Strokes to name a few.

Read the Mellotron history at
www.nordkeyboards.com/mellotron



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Mellotron
registered trademark of www.mellotron.com



The Mellotron sounds can
be downloaded for free from
www.nordkeyboards.com

EXCLUSIVE NORD LICENSING: THE CHAMBERLIN LIBRARY

"We are very happy to offer the Chamberlin Library to our Nord keyboard players", says Clavia CEO Hans Nordelius. "It is a natural progression of the previously released Mellotron Library, which has been much appreciated by our Nord Wave and Nord Electro 3 users."

The Chamberlin was the original tape replay instrument, developed and patented by US inventor Harry Chamberlin from 1949 to 1956, when the first commercially available model was introduced. Various models and versions of these extraordinary music instruments were manufactured until 1981. During the years of production the much-respected Chamberlin sound library grew, and the licensing deal with Clavia includes 60 sounds. The extraordinary Chamberlin Music Master was instrumental in the birth of the later Mellotron.

The Chamberlin was a constructional beast with magnetic tapes (also used in recording studios) containing analog recorded sounds, triggered by the keyboard. One tape per key! Once reaching the tape end which was normally after about 8 seconds of playing, the sound would stop and tapes would need to mechanically rewind.

Even with quite limited sound quality prestanda and obvious limitations in tone length the Chamberlin tape samplers turned into precious pieces of hardware used by major artists and bands all over the world.



During the production years close to 700 units were made, all considered a real work of art and a true milestone when it comes to musical instrument innovations.

The Chamberlin library has been digitized in a 44.1 kHz, 24-bit resolution and is available in the Nord Sample Library format (nsmp), to be used with our Nord Sample Library compatible units. As always, all the sounds in the Nord Sample Library created by Nord are available as free downloads from the www.nordkeyboards.com web site.

Sounds from the Chamberlin can be heard on countless songs by artists like David Bowie, The Moody Blues, Crowded House, Richard Thompson, Beck, Mitchell Froom, Tom Petty, Elvis Costello, Neil Finn, XTC and Tom Waits, just to name a few.

Read the Chamberlin history at
www.nordkeyboards.com/chamberlin



The analog Chamberlin master tapes have been transferred to the digital domain using state-of the art recording equipment, in a 44.1 kHz, 24-bits resolution. All the sounds have been edited and carefully looped – when applicable - using the Nord Sample Editor. One thing that is very noticeable is the quality and fidelity of these sounds.

All trademarks mentioned in this publication are the properties of their respective holders.



The Chamberlin sounds can be downloaded for free from www.nordkeyboards.com

Chamberlin

SOUND LIST

Chamberlin Music Master sounds

Flute
Bass Clarinet
Open Trumpet
3 Violins
Alto Sax
Open Trombone
Piano
Vibraphone
Acoustic Guitar
Muted Trombone
4 Saxes
Muted Trumpet
Mandolin
Marimba
4 Brass
Accordion
Male Voice
Pizzicato Violins

Chamberlin M series "35-note" sounds

M Marimba
M Steel guitar
M Open Trumpet
M Trombone
M Mandolin
M Cello
M Oboe
M Tibia Organ
M Kinura Organ
M Vibraphone
M Accordion
M Electric Harpsichord
M Acoustic Harpsichord
M Harp Short Arpeggio
M Tenor Sax (metallic)

Chamberlin M series "25-note" sounds

M Acoustic Steel Guitar
M Female Solo Voice
M Saxophone
M Muted Trumpet Fast Vibrato
M Bassoon
M Doo-Waa Trombone
M Banjo
M SFX1
M SFX2
M Slur Trombone
M Flute String Organ
M C-Organ
M Slur Guitar
M French Horn
M Glockenspiel
M Harp Solo
M Harp Long Arpeggio
M Dixieland Rhythms

Chamberlin unused sounds, from 1956-65

Staccato Violin
Vibrato Violin
Solo Violin
Doo Vocal
Pizzicato Bass
WaaWaa Trumpet
Tremolo Guitar

NORD PIANO 88



Acoustic, electric, vintage or contemporary piano sounds – it's all here. With unique features like String Resonance, totally replaceable sounds from the extensive Nord Piano Library and the dynamic piano pedal, the Nord Piano delivers in every aspect.

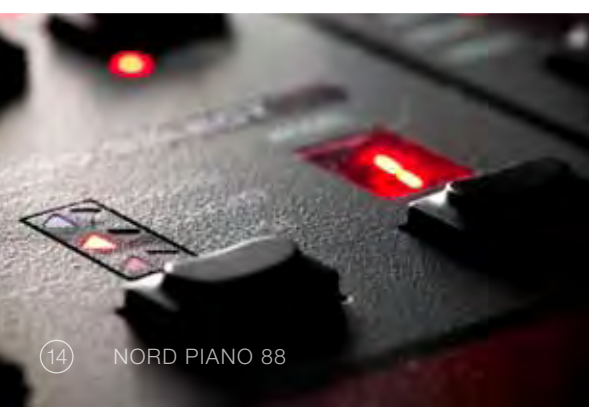
nord piano

e i g h t y e i g h t

A PROFESSIONAL STAGE PIANO MADE FOR THE PERFORMING MUSICIAN

The Nord Piano 88 is a professional stage piano with 88 keys, a great weighted hammer action, designed without compromising quality or means of expression.





CHARACTER IS EVERYTHING

It's about time you stop playing the same lifeless and generic piano sounds that sits in your instrument for ever and ever. Every acoustic and electric piano has its own personality and so do the sounds in the Nord Piano.

All the piano sounds are available on the DVD that is included with the Nord Piano, or can be downloaded from the www.nordkeyboards.com website.

PERSONAL CHOICE

Not only can you effortlessly change the sounds and dial in the desired effect settings on the panel, the Nord Piano is the world's first stage piano that allows you to completely replace the piano sounds in the instrument. When your needs, or your mood changes, just download another piano from the large selection of unique sounds in the Nord Piano Library.

Exchanging the piano sounds inside your Nord Piano is easy. Connect the piano to your computer using the built-in USB-interface and your choice of sound is simply a matter of preferred style.

Perhaps the acoustic Grand Lady would suit your taste this morning? Or maybe one of the smaller, more intimate acoustic upright pianos is a better choice? Why not fit a vintage sparkletop electric piano too, and you'll be ready for the jazz gig later tonight.



Listen to the Nord Piano at
www.nordkeyboards.com

EASY TO ACCESS PROGRAMS

There are 120 programs in the Nord Piano. These are accessed by 24 banks with 5 programs each, with convenient program buttons located right on the panel where you need them during your performance. You edit the programs by just changing the parameters on the panel, and all the changes you make can be stored in any program location by using the Store button.

There is a Live Mode with 5 separate locations, where every setting you change is automatically stored. This is a great feature during rehearsals when you are getting the set list ready, or as a sketchpad for those great programs, that are still to come.

STRING RESONANCE

String Resonance is the acoustic phenomenon that occurs inside an acoustic piano or a grand piano when strings, or parts of strings, resonate at their fundamental or harmonic frequencies when other strings are played.

When this functionality is active, using the Nord Piano's acoustic pianos, all notes you play will affect each other. This will reproduce the wonderful acoustics that occurs inside an acoustic grand or upright piano.

String Resonance is also very noticeable if you use the sustain pedal with the String Resonance feature enabled. The notes that you play will have a beautiful sound quality to them, when all the un-dampened strings resonate as you play sustained notes.

Another thing that the String Resonance produces is a crescendo effect. If you play the same key repeatedly with the same force, the sound will change over time. This is originally caused by the hammers hitting the vibrating string in various phases, and creates a nice, gentle fluctuation in volume and timbre in the Nord Piano.

NORD PIANO PEDAL

The included Piano Pedal offers an unprecedented functionality, with the addition of a dynamic control of the mechanical noise during operation, and the ability for you as a player to use half-pedaling and “release and catch” techniques.

The right pedal is the sustain pedal. When the sustain pedal is operated on an acoustic grand, upright piano or electric piano, many different sounds are produced by the mechanical components, several of the sounds can be reproduced by the Nord Piano.

When the dampers are lifted from an acoustic piano's strings when the sustain pedal is pressed down, a beautiful sizzle can be heard. When you remove the foot from the pedal, the dampers are returned on to the strings, which creates a different, muted type of sound.

Since the Nord Piano Pedal is dynamic, you can experiment with various forces in pressing, and also in releasing the pedal. The “floor sound” is heard when the pedal reaches the bottom of its travel. If you lift the pedal and immediately press it down again, a very rich sound will be heard. Another big sound is “The Stomp”, which requires you to start with your foot above the actual pedal, in order to be able to reach the high velocity that is required to get this sound. The level of the Pedal Noise feature can be set in the Sound Menu, it can also be completely turned off from the panel.

The left pedal is the soft pedal, known as the Una Corda. When you press this pedal, all the notes you play will be slightly lower in volume and have a slightly more subdued tone quality. The middle pedal is the Sostenuto. By using this pedal, you can sustain selected notes, while other notes remain unaffected.



The Nord Piano Library DVD is included with every Nord Piano for free.

EFFECTS, EQ & AMPS

The effects in the Nord Piano are just as detailed as the piano sounds themselves. The tremolo adds that perfect vibe, the pan sweeps across the stereo panorama, and the auto-wah brings out the funk in you, like never before.

Whenever you want a modulation effect there's a beautiful phaser, a screaming flanger and a lush chorus, all modeled from highly desirable vintage effects

The Nord Piano speaker models faithfully reproduces the overdrive response of different amplifier/cabinet combinations. Select the desired speaker model - Small, JC or Twin - and use the Drive knob to add powerful tube amplifier distortion to your piano sound.

LIGHTWEIGHT

Even though the Nord Piano is built to easily cope with a hard touring life, it is the most lightweight and portable professional stage piano on the market at only 18 kg (39.6 lbs).

MIDI OVER USB, EXTENDED USB FUNCTIONALITY

The Nord Piano has the USB functionality extended to include MIDI messages. This feature allows you to use the Nord Piano as a controller keyboard with a computer, using the USB interface to transmit and receive MIDI data.

HAMMER ACTION

There's a new improved weighted hammer action keyboard in the Nord Piano that offers a better touch, superb playability and will respond faithfully to all the nuances of your music.





ACCESSORIES

KEYBOARD STAND EX

The height adjustable Keyboard Stand EX are designed to give you maximum stability and comfort while playing. The legs are mounted into the bottom plate of your instrument, preventing it from moving around as with conventional stands.

The legs are made of aluminum which means they are lightweight. The stand is easy to mount without the use of any tools, and can be fitted in the soft case for transport. The two selectable heights are 75 or 65 cm (29.5 or 25.6").

MUSIC STAND EX

The strong, metal Music Stand attaches to mounts included on the back of your instrument, and can accommodate four sheets of music. The stand is easily mounted without the use of any tools, and can be fitted in the soft case for transport. Dimensions: 70 x 25 cm (27.6 x 9.8").

SOFT CASE

Keep your Nord instrument in perfect shape with the ultimate soft case, featuring a plush interior, thick padding, and the distinctive Nord red color. The large-sized pocket will hold all your cables and accessories, including the Keyboard Stand EX and Music Stand. High quality wheels and an extra mid-level carrying handle makes this soft case your back's best friend.

DUST COVER

Cover and protect your Nord unit with the matching Dust Cover.



Music Stand EX

Keyboard Stand EX



Soft Case



Dust Cover

FREE UPGRADES

OS upgrades and pianos can be downloaded free of charge from www.nordkeyboards.com



TECHNICAL SPECIFICATIONS

nord piano
e i g h t y e i g h t

88 keys, weighted hammer action

PIANO SECTION

- 6 selectable categories – Grand, Upright, Electric Pianos, Electric Grands, Clavinet & Harpsichord. Each category can contain several different models.
- LCD Display – provides information on program name and piano model
- 24 banks with 5 programs each – 120 programs
- Live Mode – 5 Live programs
- Panel Transpose: +/- 6 semitones
- Kbd Touch: 4 velocity response curves
- Mono Output – stereo pianos can be played back in mono

MEMORY

- Approx. 500 MB is available for the piano sounds

EFFECTS SECTION

- Effect 1 – pan, tremolo, auto-wah, three selectable depths for the pan and tremolo, rate controlled with the Effect 1 Rate knob.
- Effect 2 – phaser, flanger and chorus, three selectable depths, rate controlled with the Effect 2 Rate knob.
- Amp/Comp – three amp/speaker simulations and a compressor, drive/compression amount controlled with the Drive knob.
- Reverb with six algorithms – Room 1 & 2, Stage 1 & 2, Hall 1 & 2, Dry/Wet control.
- Three band EQ, with sweepable mid. +/- 15 dB gain/attenuation.

CONNECTIONS

- 2 Audio outputs L & R – 1/4", 6,35 mm jacks, unbalanced
- 1 Monitor input – 1/8", 3,5 mm stereo jack
- 1 Headphone output – 1/4", 6,35 mm stereo jack
- 1 Piano pedal input – 1/4", 6,35 mm jack
- MIDI In, MIDI Out – 5 pin DIN connectors
- USB – type B connector
- IEC320 C7 power connector

INCLUDED ACCESSORIES

- Nord Piano Pedal
- User Manual
- Power Cord
- USB Cord
- Nord DVD-ROM

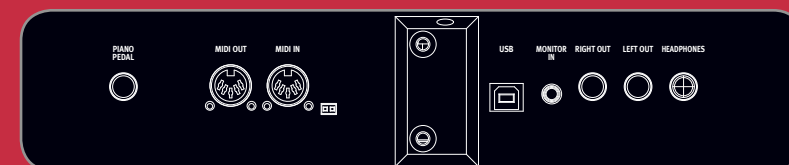
DIMENSIONS

- 1284 x 121 mm x 340 mm (50.5 x 4.8 x 13.4")
- Pedal: 264 x 224 x 70 mm (10.4 x 8.8 x 2.8")

WEIGHT

- 18 kg (39.6 lbs)
- Pedal: 2 kg (4.4 lbs)

Specifications subject to change without notice.



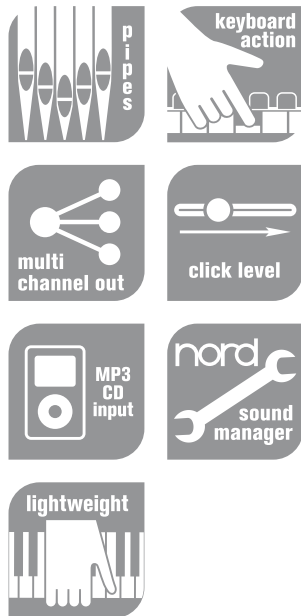
NORD C2 COMBO ORGAN



The Nord C2 organ includes B3 tonewheel organ, a Vox* Continental and a Farfisa* and a beautiful baroque pipe organ. This makes the C2 an extremely versatile instrument, providing not only rock organ players a new palette of sounds, but also the perfect instrument to use in churches, concert and congregation halls or any other venue where a high quality pipe organ instrument is paramount.

nordc2

COMBO ORGAN



CHURCH ON SUNDAY MORNINGS,
CLUBS ON SATURDAY NIGHTS.
THE NORD C2 ORGAN PLAYS BOTH
PLACES JUST RIGHT.

Clavia has developed digital vintage organ models for over a decade, taking each new product version one step closer to perfection. With the Nord C2, we raise the performance bar even further with the addition of a baroque pipe organ section - this is the organ for others to compare against.



THE PIPE ORGAN



From the golden age of organ building we have carefully chosen a baroque organ with a devastatingly beautiful sound and wide range of expression for the C2 pipe organ part. Using cutting edge sampling technique, no efforts have been spared in producing the richest and most varied sound palette for the pipe organ player.

The Nord C2 pipe organ is built upon two basic types of organ pipes; flue pipes and reed pipes. The flue pipes have a softer timbre and the reed pipes a more nasal tone quality. For each keyboard division the player can choose from different sets of pipes, stops, to produce different timbres. The C2's setup of stops make up a well-balanced blend of tonal qualities capable of expressing the most dramatic music to conveying the subtlest of organ pieces.



The disposition has the fundamental tonal character of a baroque organ. The total number of stops is 21; 9 stops for every manual and 3 pedal stops (of which one is a combined Subbas 16 and Fagot 16). In addition to the three unison couplers usually found in two manual organs, the Nord C2 Combo Organ features three octave couplers and a special coupler that adds the Pedal to the leftmost note played on the Great manual.

SWELL PEDAL AND TREMULANT

One of the crucial ingredients for creating a vivid sound is the swell pedal. In the Nord C2 Combo Organ this functions exactly as in the real-life models, giving the player intimate control over volume and dynamics of the swell manual. Another indispensable aid to make the pipe organ sound even a bit more vibrant is the tremulant. This is a function that basically gives small and very rapid variations in volume, thereby causing the sound to "tremulate". The C2 provides two speeds, each with three variable depths.

IT'S NOT ONLY ABOUT THE MUSIC, IT'S ABOUT THE PLAYER

Not only does the C2 Combo Organ provide an extremely well balanced set of pipes, stops and couplers, but we have kept the setup close to reality for the pipe organ player to easily find his way around. The controls are exactly where you expect to find them.

STOPS & COUPLERS

In the pipe organ each manual has its own sound; the Great division being the part of the organ with the majestic sound, whereas the Swell has a more mellow tonal quality. The Couplers are used to activate combinations of different stops from both manuals, so that pressing keys on one manual also connects stops from the other manual or pedal, making them sound as well.

DISPOSITION

| Swell (Manual II) | Great (Manual I) | Pedal | Couplers |
|-------------------|------------------|-----------|-------------|
| Fugara 8 | Principal 8 | Subbas 16 | SW/GR |
| Rohrflöte 8 | Gamba 8 | Fagot 16 | SW/PED |
| Principal 4 | Gedackt 8 | Gedackt 8 | GR/PED |
| Spitzflöte 4 | Octava 4 | | SWELL 16 |
| Nasat 3 | Rohrflöte 4 | | SWELL 4 |
| Flöte 2 | Qvinta 3 | | SW 16/GR |
| Vox Celeste | Octava 2 | | PED/GR. LOW |
| Scharf II-III | Mixtur III-IV | | |
| Oboe 8 | Trumpet 8 | | |



LIGHTWEIGHT

The C2 Combo Organ is lightweight and portable, yet sturdy enough to cope with the rigors of the touring life. The total weight is merely 15 kg (33 lb).



Listen to the Nord C2 at www.nordkeyboards.com



THE B3 MODEL

We have made digital models of tonewheel organs for more than a decade and the Nord C2 Combo Organ is equipped with our third generation tonewheel model.

Not only have we analyzed the signals from each of the 91 spinning discs inside several original instruments, we have paid years of attention to each and everyone of the intricate details that makes the characteristics of the actual sound in a vintage organ. How do the tonewheels interact with each other, what does the crosstalk and leakage in the original designs mean to the sound and what happens when you use the instrument to the limits of its ability? We know this, and we have made sure that the C2 tonewheel model responds in a manner with what we think is hands down the best performance organ on the market.

The virtual circuitry in our B3 model reacts not only to the settings on the panel but also during the real time performance. The Nord C2 will faithfully reproduce the important foldback and energy robbing characteristics; the latter will produce the gentle compression effect that makes those lovely smears absolutely wonderful. There are 4 tonewheel modes that allows

you to switch from a clean, factory spec'd instrument to a worn and battered workhorse with some 40 years worth of touring.

IT'S ALL ABOUT THE PERFORMANCE

The individual tonewheel levels are controlled with our digital drawbars that are just as fast and ergonomic to set up as their physical counterparts. This modern design provides you with the ability to store your favorite settings, to be instantly recalled and edited in real time during a performance. You also get the unique opportunity to dial in a new setting with the digital drawbars while playing, without the change taking effect until you say so.

Get your fingers on the waterfall type keyboard and you will not only hear, but also feel the difference. An ultra fast trigger-to-sound response time in the Nord C2 offers a superior performance compared with any other hardware or software products, just as the originals.



We have modeled the crucial key click and key release bursts from the mechanical

busbar design with its close to 1200

switches. The actual keys themselves have a firm mechanical action to provide you with the rock solid feel of an original vintage instrument.



You have direct access to every important function on the panel. We have a strong belief in that a performance is not only about what you play, but how you use an instrument as well.





VIBRATO, CHORUS & PERCUSSION

Other essential mechanical and electrical components in the original instrument like the scanner that provides the vibrato and chorus with their deep impact on the sound, and the components and behavior of the percussion are of course present in the Nord C2. The vibrato and chorus with the rotating scanner and its analog circuitry are carefully modeled to be as alive as the tonewheels.

Everything in the percussion including the monophonic behavior, filter, distortion, and envelope characteristics has been carefully and faithfully replicated. You can adjust some of the percussion functions to be able to set the sound to suit your needs and we even give you the option to keep the 9th drawbar or not, when the percussion is turned on.

3RD SET OF DRAWBARS

A dual manual organ would not be complete without the ability to play bass notes on a pedal board. The Nord C2 includes two additional bass register drawbars with selectable timbre from vintage tonewheels, pipe organ bass stops or a synth bass, modeled after a famous vintage add-on unit.

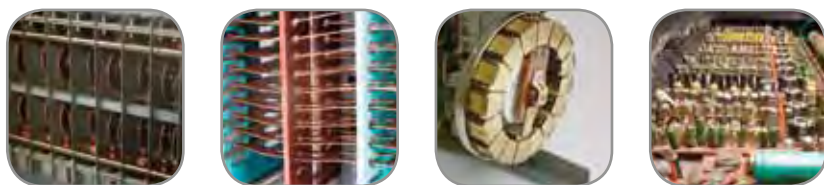
The bass can be controlled with any MIDI-equipped bass pedal board connected to the dedicated Bass Pedal MIDI input, or by splitting the lower manual.

ROTARY

The Nord C2's rotary speaker simulation features a true life-like experience. It incorporates the acoustic variations that occur as a physical rotating speaker spreads the sound around in a room, providing the full experience of moving the air around. The rotary speed can be controlled with a foot switch, from the panel or by using a half-moon switch (extra accessory).

The rotary simulation in the C2 is our best one yet. We mic'ed up several original cabinets with different sets of treble- and bass rotors and spent lots of time analyzing their audio responses. This painstaking effort gave us the means to be able to include a brand new rotary model in the Nord C2, based on a 145 unit. This is available together with our previous rotary that so many users have said so many nice things about.

Even though our rotary simulations are nothing less than amazing, we are however the first to acknowledge that the C2's best friend in the pursuit of sonic excellence is an external rotary cabinet. Connect the C2 to a quality cabinet with the standard 11-pin Leslie* connector and use the Half Moon switch or the C2 panel buttons to control the rotary speed. The Leslie* interface on the C2 uses a high voltage output which is vital to experience the true soul of a screaming, or for that matter, a whispering organ. This high level output is also available on a ¼" jack on the C2 back panel.



Miniature images show the original vintage components.





VOX & FARFISA

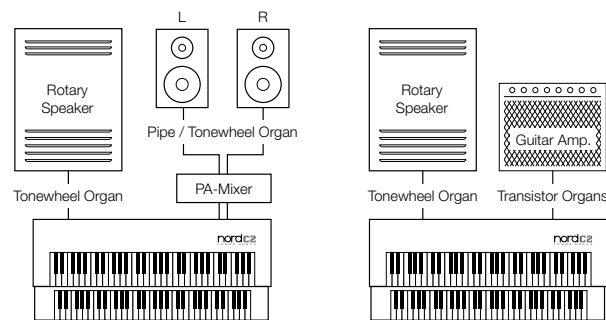
The Nord C2 includes accurate models of the two most popular transistor organs of the 1960's, offering you that massive savage sound created by their 12-top oscillator frequency-divider designs. With the C2, you get the same dynamic behavior and unique response as in the original instruments.

The Farfisa* Compact Deluxe, considered by many to be the mother of transistor organs, involves routing matrixes and complex filter combinations that offer a tailored sound with massive energy and high-end. The Vox* Continental's brute design brings you a more hollow tone, but still with a very intense character.

As with the tonewheel organ, both transistor organs have their own unique, irreplaceable personalities. Combine them with any of the Nord C2's speaker simulations, add some distortion, adjust EQ and they will definitely light your fire.

EFFECTS

The 3-band equalizer along with three types of speaker simulations and a powerful overdrive offers you total control of your sound. Add a feedback-delay with tap-tempo functionality, and several types of reverberation and you truly have an all-in-one effect section with stunning sound right out of the box. This will tailor your sounds for any occasion.



Multi Channel Out

FLEXIBLE OUTPUT ROUTING

With so many organ types at your disposal, it is vital to be able to route these to appropriate amplifier- and sound systems. The Nord C2 is equipped with a stereo output pair (L and R on 1/4" jacks) and a set of high level outputs (a 1/4" jack and a 11-pin Leslie* connector). This provides you with the flexibility to e.g. route the tonewheel to a rotary speaker and the pipe organ to a PA. It is also possible to use the tonewheel in a rotary and a PA with rotary simulation at the same time, or to route the transistor models to an amplifier.



ADDITIONAL CONNECTIONS

A swell pedal is an essential tool for expressiveness with any organ and the C2 is of course capable of using any good quality expression pedal. The rotary speed can be controlled from a foot switch or the half moon switch, and we have even added a sustain pedal input.



The MIDI connectors allow you to use the Nord C2 to control other units or to use it together with a computer or sequencer. Plug in your mp3 or CD player to the monitor input to be able to play along, rehearse or jam with previously recorded music without the need of an external mixer or sound system. The signal that is present at this input will be monitored through the C2's headphone output.

EASY-TO-USE MANAGER

The Nord Sound Manager is an easy-to-use tool that allows you to arrange and make backups of the programs. This application is available for free to Nord C2 owners, and is compatible with Windows XP, Windows Vista, Windows 7 and Mac OSX.





Pedal Keys 27 rear view

PEDAL KEYS 27

This MIDI pedalboard has 27 keys and an integrated Swell pedal, with a sturdy chassis of aluminum. The long keys have a wooden finish and a length of 350 mms, to facilitate the use of a proper toe-heel technique when playing. It is very portable weighing in at only 15.5 kgs, 34 lbs. Just connect it to the C2's Bass Pedal MIDI Input and you are ready to perform.

ACCESSORIES

KEYBOARD STAND ALU

The Nord C2 can be used with the Keyboard Stand ALU, a very sturdy but lightweight stand made of aluminum. This stand is specifically designed to make room for a large set of pedals underneath.



Keyboard Stand ALU

SOFT CASE

Having three vintage organs and a baroque pipe organ in your studio is fun, but it's even better when you can easily carry them with you to a gig. That is why the Nord C2 is lightweight and portable. With the optional soft case, you can carry the massive power of these monster organs in one hand; weighing in at merely 15.5 kg (34 lbs).



Soft Case

HALF MOON SWITCH

With the Half Moon Switch you can control the speed of the built-in rotating speaker simulation as well as an external rotary speaker connected via the 11-pin Leslie* connection. The Half Moon Switch offers 3 speed settings (slow - stop - fast) and is easily attached without the use of any tools at various locations along the left side of the lower manual.



Half Moon Switch



Music Stand EX

TECHNICAL SPECIFICATIONS

nord
COMBO ORGAN

GENERAL

- Master Level Control
- 126 Program Locations
- 2 Live Buffers

ORGAN SECTION

- 4 Organ Models:
Pipe Organ
Classic Tonewheel Organ
Vox Continental Transistor Organ*
Farfisa Compact Deluxe Transistor Organ*
- 20 Digitally Controlled Drawbars
- 6 Drawbar Presets per Program Location
- Percussion Controls
- Vibrato / Chorus / Tremulant Control

EFFECT SECTION

- 3-band Equalizer
- Overdrive
- 3 types of Speaker Simulations
including Rotary Speaker with selectable speed (slow - stop - fast)
- Delay - *with feedback and tap-tempo function*
- Reverb - *5 algorithms*

KEYBOARD

- 2 x 61 Medium Weighted Waterfall Keys

CONNECTIONS

- Stereo Headphone Output
- 2 Line Level Audio Outputs
- Monitor In
- 14V RMS High Level Outputs:
11-pin Leslie Standard Connector*
Quarter Inch Connector
- Sustain Pedal Input
- Rotary Control Input
- Swell Pedal Input
- MIDI In
- MIDI Out
- Bass Pedal MIDI In
- USB

INCLUDED ACCESSORIES

- Dust Cover
- User Manual
- Power Cord
- Nord CD-ROM

DIMENSIONS

- C2: 966 x 163 x 445 mm (38.0 x 6.4 x 11.3")
- Pedal keys 27:
1055 x 320 x 620 mm (41.5 x 12.6 x 24.4")
with the swell pedal mounted in place.

WEIGHT

- C2: 15.5 kg (34 lbs)
- Pedal keys 27: 15.5 kg (34 lbs)

Specifications subject to change without notice.



NORD ELECTRO 3



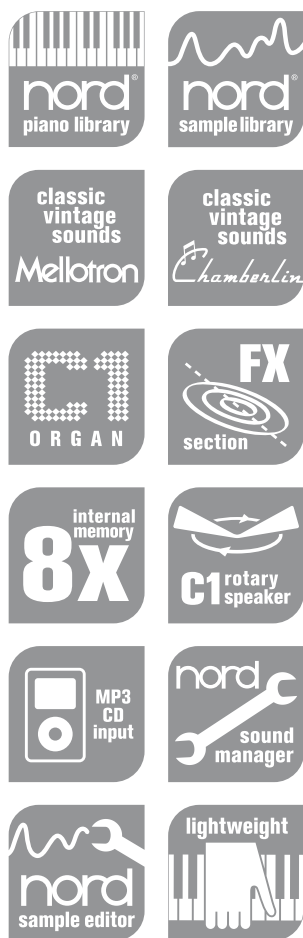
The Electro 3 features a great organ section, fantastic pianos, a selection of extremely versatile effects and a feature that allows the Electro 3 to use any samples from the Nord Sample library. This is the performance keyboard that sets the highest standard based on its impressive sound quality.

nord electro 3

v i r t u a l e l e c t r o m e c h a n i c a l

HOW DO YOU IMPROVE ON A CLASSIC PERFORMANCE KEYBOARD LIKE THE GROUNDBREAKING ORIGINAL ELECTRO? YOU COULD TAKE IT GENTLY, OR JUST DO WHAT WE DID WITH THE ELECTRO 3; PUSH IT AS FAR AS YOU CAN, AND THEN A BIT FURTHER.

With the introduction of the Nord Electro 3, the legacy of the original Electro and the knowhow that have shaped some of the other Nord models have been combined.



*Sixty One
Seventy Three*

The demands from a performing keyboard player haven't really changed all that much over time, good quality never goes out of style. We want to offer you some of the best stuff, in a affordable and easy-to-use instrument. We hope that you will have as much fun owning and using the Electro 3, as we have had developing it.

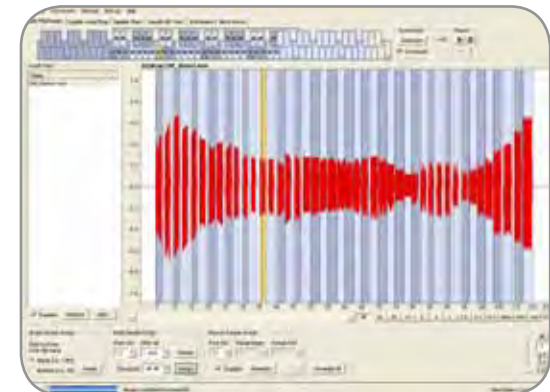
EXQUISITE PIANOS

Right from the start, the Electro 3 is loaded with a great selection of pianos from the Nord Piano Library v5. There are two acoustic grand pianos, the Grand Lady-D and the Studio Grand 2. You will also find the CP80 electric grand and the Rain Piano upright. Electric piano aficionados will love the selection of the tine-based types; a Mk I, a Suitcase Mk I, a Mk II and the Bright Tines, all with their unique and distinctive personalities. A great Wurlitzer A200 is of course present, as is the mighty Clavinet D6. The Clavinet type includes the Harpsichords, with one Italian harpsichord in the factory sound bank, and more to choose from in the Nord Piano Library download area. Each and every one of these piano sounds can be replaced if you wish. And all the sounds in the Nord Piano Library are available for free.



NORD SAMPLE EDITOR

By using the free Nord Sample Editor, you can add any sound you want to the Electro 3. The Sample Editor can use audio files in the .wav format and is equipped with some great tools to assist you in getting the results you want. Mapping several samples across the keyboard or creating perfect loops has never been easier. You can even start assembling your own samples today in the computer, without having the Nord Electro 3 present - just download the Editor, the Electro 3 manual and fire away. The Nord Sample Editor is compatible with Windows XP, Windows Vista, Windows 7 and Mac OSX.



NORD SAMPLE LIBRARY

Not only loaded with great piano sounds, the Electro 3 sports some great samples to add flavor to your sonic arsenal. You'll find some of the classic Mellotron sounds, a selection of strings, a celeste, a vibraphone and many others. And just as with the piano partition, all of the samples can be replaced if the factory selection does not suit your immediate needs.



You can add virtually any sound you want to the Nord Electro 3. Sounds that we offer for free are from the Mellotron and Chamberlin libraries or any other instrument from the expanding and extensive Nord Sample Library, which is the same format as the Nord Wave uses.



Listen to the Nord Electro 3 at
www.nordkeyboards.com

ORGAN SECTION

The growling sound, and the soul of a B3 is hard to replicate faithfully in a digital instrument. Sampling is definitely not an option if you want to create a living, breathing tonewheel sound. We've spent years perfecting our digital models and the Electro 3 contains our award winning second generation tonewheel model.

The attention to minute details is stunning, the Electro 3 is even equipped with four selectable tonewheel modes, that stretches from a clean sound to battered unit with the most dramatic setting; vintage 3. This setting even produces a sound in the background of its own, even if you don't touch any keys.

IT'S ALL IN THE DETAILS

Every function in a B3 has been considered and examined in great detail, to make the Electro 3 as true to the original sound as possible. There are key clicks derived from the original busbar behavior and the energy robbing that produces the gentle compression when you do that massive palm smear across the keyboard. To get the response right, we have included the option to trigger the organ sounds at the very top of a key's range, making it react just as fast as the original. And sometimes we couldn't resist adding functions that went a bit further, like the option to either include or exclude the 9th drawbar when Percussion was activated.

VOX AND FARFISA

The Farfisa* and Vox* models are just as impressive as the B3. The massive savage sound created by their 12-top oscillator frequency-divider designs is of course another nosample zone in the Electro 3; you have the same behavior and unique response from our models as in the original instruments. The Farfisa Compact Deluxe, considered by many to be the mother of transistor organs, involves routing matrixes and complex filter combinations that offer a tailored sound with massive energy and high-end.



The Vox* Continental's brute design brings you a more hollow tone, but with a very intense character. Both these transistor organs have their own unique, irreplaceable personalities. Combine them with any of the Electro 3's speaker simulations, add some distortion, adjust the EQ and they will definitely get you through any organ gig with flying colors.

ORGAN SPLIT

Using the Organ Split mode, you can play two different organ registrations in a dual manual fashion, one sound on either side of a user definable keyboard split point. Connect a second MIDI keyboard to the Electro 3, to use the organ split functionality, but in a true, dual manual setup.



EFFECT SECTION

The Nord Electro 3 is equipped with a great selection of high quality effects including a lush sounding reverb with five different algorithms. There is a selection of tremolo, panning, wah-wah, phaser, flanger and chorus effects, and a ring modulator.

User can further sculpt their final sound by choosing from a selection of three amplifier simulations that can add any amount of grit and distortion from gentle to manic levels. A three-band EQ with sweepable mid-range and a compressor can be added to the final stage of the audio path.





ENHANCED ROTARY SPEAKER EMULATOR

The rotary speaker emulator originates from the award winning Nord C1 Combo Organ, with its acclaimed sound quality. This rotary speaker emulator incorporates the acoustic variations that occur when a physical speaker spreads the sound in a room, providing the full experience of when the air is moved around.

The Electro 3's rotary features a great function in the addition of the Rotary Stop Mode. This allows users to switch between fast and stopped rotation and back again by using either the controls on the panel or with a foot pedal connected to the Rotor Pedal input.



This is a crucial functionality that mimics the behavior of early one-speed original rotary speaker units.

Those of you who are picky about the rotary behaviors will be pleased to find several user adjustable settings like speed and acceleration times for both treble and bass rotors. These options, as well as all the other System, MIDI and Sound Menu functions are written on the right side of the panel, a great help for all those moments when the manual decided to stay at home.



NORD PIANO LIBRARY

New instruments are being added on a regular basis to the Nord Piano Library. These additions can be downloaded for free by Electro 3 users. More details about the library and additional sounds to download can be found in the Libraries area at www.nordkeyboards.com.



NORD SAMPLE LIBRARY

A great addition to the electromechanical bliss in the Electro 3 is the ability to use the fabulous Nord Sample Library. These samples are available for free in the download area, and getting them into a 3 is achieved with a simple drag and drop operation using the Nord Sound Manager.



MEMORY CAPACITY

The Nord Electro 3 has a flash memory for pianos and samples with a total size of 256 MB. 68 MB of the memory is reserved for the sample partition. The program memory holds 128 programs.



LIGHTWEIGHT

Having a bunch of great pianos, a tower of effects and three vintage organs in your studio is fun, but the Electro 3 is also designed to allow you to easily bring all those great sounds to the gig. The Nord Electro 3 is extremely lightweight and portable, yet sturdy enough to cope with the rigors of the touring life. With the optional gig bag, you can carry the massive power that this puppy contains in one hand; weighing in at merely 7.6 or 9.1 kg (15.3/18.2 lbs).



TAILORED EFFECTS

It doesn't matter if you are in for a discreet pan or chorus, or want to get real nasty with the amp and speaker simulations or the ring modulator; you are going to love the smoking effects in the Electro 3. Ever had the idea to put a 9 foot Concert Grand in a very small room and process it with a wha-pedal, through a rotary speaker at full distortion? Now you can.



WATERFALL KEYBOARD

The Electro 3 comes in two different sizes. The 61 and the 73 have the same type of semi-weighted keyboard with the waterfall profile. This is a great set of keys to play organ and pianos with.

EASY-TO-USE MANAGER

The Nord Sound Manager is an easy-to-use tool that allows you to load the Electro 3 with new pianos and samples, and to arrange and make backups of the memories. These operations are done by simple drag and drop operations or from toolbar- or menu activated actions in the application. This application is available for free to Electro 3 owners, and is compatible with Windows XP, Windows Vista, Windows 7 and Mac OSX.



MONITOR INPUT

Just plug in your mp3 or CD player to the Electro 3 to be able to play along, rehearse or jam with previously recorded music without the need of an external mixer or sound system. The signal that is present at this input will be monitored through the Electro 3's headphone output.





Soft Case



Sustain Pedal



Dust Cover

ACCESSORIES

SOFT CASE

Keep your Nord instrument in perfect shape with the ultimate soft case, featuring a plush interior, thick padding, and the distinctive Nord red color. The mid-sized pocket on the lid will hold all your cables and accessories. Carrying handles, shoulder strap, and two backpack straps allows you to carry your instrument any way you want.

SUSTAIN PEDAL

Sustain pedal.

DUST COVER

Cover and protect your Nord unit with the matching Dust Cover.

FREE UPGRADES

OS upgrades, pianos and samples can be downloaded free of charge from www.nordkeyboards.com



TECHNICAL SPECIFICATIONS

nord electro 3
virtual electromechanical

ORGAN SECTION

- Organ section from the acclaimed Nord C1 Combo Organ.
- Three classic organ models: B3, Vox Continental, and Farfisa with full polyphony.
- 9 digitally controlled drawbars.
- Two complete organ registrations for every program.
- The drawbars of Electro 3 are represented by up/down buttons and LED bar graphs instead of the ordinary mechanical drawbars. This gives you a big advantage: when you change programs, the correct drawbar settings are shown immediately by the LEDs.
- 17 user configurable organ presets for each organ model.
- Percussion with 2nd, 3rd, normal/soft, fast/slow for the B3 model.
- User adjustable percussion levels, percussion decays and keyclick level.
- Vibrato / Chorus Control with separate functionality for each model (the classic C1, C2, C3, V1, V2, V3 options for the B3, Vibrato for the Farfisa).
- 4 Tonewheel modes: select the level of "vintage" you wish to have in your B3 sound.
- MIDI Split: The Nord Electro 3 is designed to support an extra MIDI keyboard when the Organ Split mode is activated. This makes it possible to use the Nord Electro 3 as a dual manual (Lower/Upper) organ with different drawbar settings for each manual.

PIANO AND SAMPLE SECTION

- 5 selectable types of pianos - Grand, Upright, EPiano, Wurl & Clav/Harpsichord. Each type can contain several different models.
- 185 MB of the flash memory is allocated to the piano types.
- Each and every piano in the Electro 3 is replaceable by the user. New models can be uploaded to the Electro 3 using the Nord Sound Manager application.
- Samp Lib type can contain up to 50 samples from the Nord Sample Library.
- 68 MB of the flash memory is allocated to samples.
- Stereo pianos and samples can be played back in mono.
- 40-60 Voices polyphony.

EFFECTS SECTION

- Effect 1 - pan, tremolo, auto-wah, pedal-wah and ringmodulator.
- Three selectable depths for the pan and tremolo, rate controlled with the Effect 1 Rate knob.
- Control pedal assigned to pedah-wah and ring modulator depth.
- Effect 2 - phaser, flanger and chorus.
- Three selectable depths, rate controlled with the Effect 2 Rate knob.
- Comp/Amp - three amp/speaker simulations, compressor and rotary speaker.
- Drive/Compression amount controlled with the Drive knob.
- Rotary speed controls - Slow, Fast and Stopped.
- User adjustable rotary treble and bass rotor speeds and acceleration rates.
- Reverb with five algorithms - Room, Stage Soft, Stage, Hall, Hall Soft.
- Dry/Wet control.
- Three band EQ, with sweepable mid. +/- 15 dB gain/attenuation.

GLOBAL FEATURES

- 128 program memories.
- Keyboard: 61-key (5 octaves) or 73-key (6 octaves). Velocity sensitive semi-weighted "waterfall" (square front) keyboard.

CONNECTIONS

- 2 Audio outputs
- 1 Monitor input
- 1 Headphone output
- 1 Control pedal input
- 1 Sustain pedal input
- 1 Rotary Speaker speed switch pedal input
- MIDI In, MIDI Out
- USB interface for fast and easy download of new sounds and operating system updates.

INCLUDED ACCESSORIES

- User Manual
- Power cord
- Nord DVD-ROM

DIMENSIONS

- Nord Electro 3 SixtyOne:
900 x 100 x 300 mm (35.4 x 3.9 x 11.8")
- Nord Electro 3 SeventyThree:
1120 x 100 x 300 mm (44.1 x 3.9 x 11.8")

WEIGHT

- Nord Electro 3 SixtyOne: 7.65 kg (15.3 lbs)
- Nord Electro 3 SeventyThree: 9.1 kg (18.2 lbs)

Specifications subject to change without notice.



NORD STAGE EX



Stunning acoustic grand pianos, classic organs, electric pianos, clavinet, synthesizers, and every effect you're likely to want. A broad array of gorgeous classic sounds and effects that makes you glad you're a keyboard player.

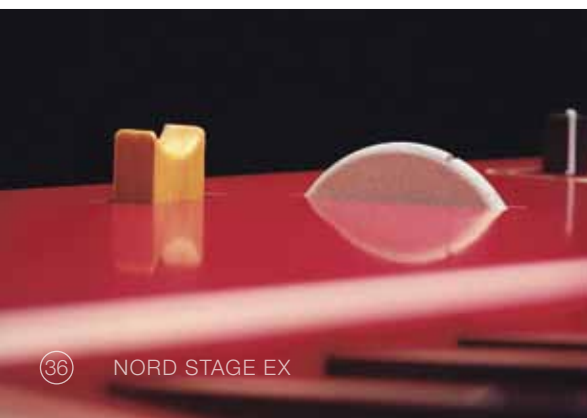
nord stage^{EX}



ONE DREAM, ONE PACKAGE, ONE AMAZING INSTRUMENT – THE STAGE EX

Never before has there been
such an easy-to-use instrument,
with phenomenal flexibility, and
a multitude of excellent sounds
to choose from.





The Stage EX's user interface is designed from our fundamental concept: All vital functions are represented on the front panel - easy to access, and never further away than a press of a single button. After more than 20 years of experience in designing instruments to be used by professional musicians, we know how important it is to make the technology completely transparent for the user. With the Nord Stage EX you only need to focus on your performance, which means never having to struggle with the technology.

Our patented Pitch Stick and Modulation Wheel are included for maximum musical expression, and the top-of-the-line weighted hammer-action keyboard makes you feel that the Stage EX's sound is balancing at the tip of your fingers, completely under your control. Our efficient Morph Grouping technique is also included, allowing you to assign sound and effects parameters to one physical controller. And the sounds are going to make your dreams come true.

All together, the Nord Stage EX is a musical, reliable, efficient, and roadworthy companion that delivers results, and provides the means to express your passion for playing.

THREE MODELS

Choose from three models; 88, 76 or Compact. The 88 and 76 both feature weighted hammer-action keyboards while the Compact is equipped with a semi-weighted organ (waterfall profile) keyboard. Apart from the keyboard type and the number of accessories available, all three models share the same set of features. The Stage EX boasts an internal memory which is twice the size of the previous Classic Stage range. This allows you to bring even more pianos to each and every performance.

MAIN FEATURES

- Organ section with faithful emulations of 3 classic models.
- Piano section with 6 selectable categories.
- Synth section generating Subtractive, FM and Wavetable synthesis.
- External section making the Nord Stage EX serve as a master keyboard.
- Effects section adding comprehensive effects to your performance.



ORGAN SECTION



The Organ Section offers three different organs. Of course, we included our famous B3 Organ model, giving you the most accurate and pleasing B3 next to the real thing. The B3 Organ offers many innovative solutions to mimic the typical B3 sound, such as:

- A true organ architecture, based on digital models of 91 tonewheels, thus always giving full polyphony and overtones with natural warmth.
- A complex digital model of the original chorus & vibrato scanner.
- Modeling of the individual random contact bounces for each partial.
- Emulation of the unique frequency characteristics of the built-in preamplifier, forming the “body” of the B3 sound.
- Simulation of the energy robbing on the tonewheels that results in the typical compressed B3 sound.
- Authentic tuning of the tone wheels according to the original B3 design.
- True B3 swell-pedal characteristics.

We also created carefully modeled emulations of two of the most famous transistor organs from the 1960s, the Vox Continental and the Farfisa Compact. “Draw buttons” and LED bar graphs have replaced the original mechanical drawbars. This gives you the advantage of always having the correct drawbar settings after changing preset.

PIANO SECTION



The Piano Section includes six main categories: Grand Pianos, Upright Pianos, Electric Grand, Electric Pianos, Wurlitzer and Clavinet.

Our commitment to authenticity is manifest in these pianos' subtle nuances throughout the whole dynamic range. The source instruments are recorded at multiple velocity levels, providing the most accurate and expressive pianos ever made for a digital keyboard. The key-releases were also sampled, creating the real sound of dampers returning when the keys are lifted.

The Acoustic Pianos are also recorded with sustain pedal down. When played with the sustain pedal, the Stage EX's pianos recreate the string resonance produced by acoustic piano strings. This adds to the authenticity of the piano sounds by giving them natural body. The Clavinet has an equalizer of its own, which mimics the original D6 tone tabs, and also includes the four Clavinet pickup selections.

Pianos come in many varieties, and while a German grand sounds great, it might not be the sound you need at the moment. The piano section is very flexible, allowing the user to replace any piano with other sounds from Nord's library of Piano samples free of charge. Use the Nord Stage EX's USB port and the Nord Sound Manager to swap sounds quickly from your Mac or PC.

STRING RESONANCE

A great addition - the String Resonance feature - was added as a complimentary update in 2009 to the Nord Stage EX. String Resonance is the phenomenon that occurs inside an acoustic piano or grand when strings, or parts of strings, resonate at their fundamental or harmonic frequencies when other strings are played.



When this functionality is turned on using the Nord Stage EX's acoustic pianos, all notes you play will affect each other, to reproduce the wonderful acoustics that occurs inside an acoustic grand or upright piano.



SYNTH SECTION



EXTERN SECTION



Don't let the panel fool you; the Stage EX's Synth Section is a wolf in sheep's clothing – small, but with a big sound. After more than 10 years of designing synthesizers, we accepted a new challenge - designing a powerful synth with a few controls that would equal the quick and easy manipulation of the Organ and Piano sections. After all, why should you have to be an expert programmer to create lively and nuanced synth patches?

Our response to that challenge is the Nord Stage EX's "power mini synth". The Synth was created on a multi-oscillator concept involving up to 9 oscillators per voice in different algorithms, all controlled from one button and one knob:

- Classic Analog Synthesis with dual saw, hard sync, and pulse wave modulation.
- Three-operator FM Synthesis with 32 different modulation frequencies.
- Wavetable Synthesis with 77 waveforms.

With the Unison knob you can fatten your sound for lush pads, thick comps, and fiery leads. We've included a 12/24 dB LowPass Filter with resonance, an Amp envelope, a Modulation envelope, an LFO, and a two band equalizer. Three different Synth banks are provided – Synth, Pad, and Bass – for the creation and storage of your own patches, and each bank holds up to 100 sound programs.

The Nord Stage EX wouldn't be a master keyboard if it couldn't control external devices with ease. The Extern Section is designed solely for this purpose, so that any MIDI-connected gear gets seamlessly integrated with the Stage EX's built-in instruments. Zones, splits and layers are handled exactly as if the external equipment was a part of the Stage EX itself. All settings are saved together with a Program so advanced setups can be immediately recalled in real-time during a performance. You can even use the Extern Section to automatically transmit Bank Select and Program Change messages to your external units.

FREE UPGRADES

OS upgrades and pianos can be downloaded free of charge from www.nordkeyboards.com



Listen to the Nord Stage EX at www.nordkeyboards.com



nord stage EX

EFFECT SECTION



No sound is complete without the proper use of effects. In the Nord Stage EX we incorporated all the effects required to cover musicians' needs. All of the three instrument sections - Organ, Piano and Synth - can individually be routed through the Stage EX's built-in effect units. Turning the effects on and off, and controlling the routing is easily done by a touch of dedicated buttons, readily accessible at the bottom of each effects unit.

UNIT ONE

Here you can choose from Tremolo, two Wahs, an Auto-Wah, and an AutoPan. Use the AutoWah with a Clavinet for raw funk licks, create a psychedelic vibe with an Electric Piano on AutoPan, or give a Wurlitzer some body using the Tremolo. There is also a Ring Modulator on board, an effect used by many experimental and electronic musicians.

UNIT TWO

The two Phasers, two Flangers, and two Chorus are modeled from the classic analog stomp boxes that define the sound of popular music. These swirling Phasers, metallic Flangers, and thick Chorus are used by uncompromising professionals everywhere are crystal clear and faithfully simulated on the Nord Stage EX.

DELAY

A delay unit has been included to create haunting echoes or slap back effects. The delay also supports a ping-pong mode, and the tempo is easily adjusted with the tap-tempo button. A recent update provides you with the option of two delay modes. The Analog mode will change the pitch on any repeats if the delay time is changed for those classic "warped" sounds.

EQ & AMP SIMULATION

This effect section combines a three-band equalizer with a sophisticated amplifier and speaker cabinet modeler. Classic amplifiers and speakers, are a crucial part to make vintage Electric piano sounds come alive. Nord offers the famous sounds of tube and solid state amplifiers with a Twin Reverb, a Jazz Chorus 120 and a Wurlitzer speaker cabinet model. When no Amp Model is selected, the unit provides a neutral three-band EQ and a crunchy overdrive.

ROTARY SPEAKER

There is also a Rotary Speaker emulation based on the Leslie 122, which not only brings an essential character to a live organ performance, but can also be used with any of the electric or acoustic piano sounds or the synthesizer.

MASTER EFFECTS

Finally there is also a Compressor and a Reverb, which are placed at the end of the sound chain, helping to blend your sounds more naturally together. The Reverb unit has Hall, Stage and Room spaces to create different atmospheres for your sounds, while the Compressor helps you keep the overall mix tight and under control.

ACCESSORIES

KEYBOARD STAND EX

The Nord Stage EX 88/76 can be fitted with legs reminiscent of a classic electric piano. They are very easy to assemble and disassemble for transport. The legs are optional and sold separately.

SOFT CASE

A semi-hard, padded, custom sized soft case with wheels is available for safe and comfortable transportation.

MUSIC STAND EX

An easily attachable music stand is also available for the 88/76 models.

SUSTAIN PEDAL

Sustain pedal. Included with Stage EX 88 and 76.

DUST COVER

Cover and protect your Nord unit with the matching Dust Cover. Included with Stage EX 88 and 76.



Keyboard Stand EX



Soft Case



Music Stand EX



Sustain Pedal



Dust Cover

TECHNICAL SPECIFICATIONS

GENERAL

- Master Level Control
- Wooden Pitch Stick
- Modulation Wheel
- 21 x 6 Program Locations
- 2 Live Buffers
- 2 Individual Panel Setups
- 3 Morph sources (Modulation Wheel, Control Pedal, Aftertouch)

ORGAN SECTION

- B3 Tonewheel Organ-, Vox Continental- and Farfisa-models with full polyphony
- 9 Digitally Controlled Drawbars
- Percussion Controls
- Vibrato / Chorus Control
- 2-Part Multitimbral (2 manuals)

PIANO SECTION

- Acoustic Grand Pianos
- Upright Piano
- Electric Pianos
- Wurlitzer A200 Electric Piano
- Clavinet D6
- Harpsichords
- CP-80 Electric Grand
- 40-60 Voices Polyphony
- 4 Selectable Velocity Curves
- Clavinet EQ Controls
- 2-Part Multitimbral

SYNTH SECTION

- Analog synthesis: 10 Modeling Waveforms - including Dual Saw, Hard Sync and PWM
- FM synthesis: 2 & 3 Operator FM Synthesis

- Wavetable synthesis: 77 waveforms
- 16 Voices Polyphony
- Unison Control - with no reduction in polyphony
- Timbre Controls
- Amplitude Envelope
- Modulation Envelope
- 12/24 dB LowPass Filter with Resonance
- 300 Memory Locations, 3 Categories
- 2-Band Equalizer
- 2-Part Multitimbral

COMMON PARAMETERS

- Level Control
- Zone (split assignment) Control

INSTRUMENT EFFECTS

- Unit One: Ring Modulator, Tremolo, Pan, Wah 1, Wah 2, AutoWah
- Unit Two: 2 Flangers, 2 Phasers, 2 Choruses Delay - includes Ping Pong and Tap-Tempo Function
- Amplifier/Speaker Simulation: 3 types of Speaker simulations, 3-band Equalizer and Overdrive
- Rotary Speaker: selectable Speed and Overdrive

MASTER EFFECTS

- Compressor
- Reverb - 5 Algorithms

KEYBOARD

- 88/76-models: Hammer Action Weighted Keys
- Compact-model: Medium Weighted Keys
- Aftertouch
- Supports 3 split zones with visual LED indication

nord stage **EX**

CONNECTIONS

- 4 Assignable Audio Outputs
- Stereo Headphone Output
- Sustain Pedal
- Rotor Pedal
- Organ Swell Pedal
- Control Pedal
- MIDI In
- MIDI Out
- USB

INCLUDED ACCESSORIES

- User Manual
- Sustain Pedal (Nord Stage EX 88/76 only)
- Power Cord
- Nord CD/DVD-ROM
- USB Cord
- Dust Cover (Nord Stage EX 88/76 only)

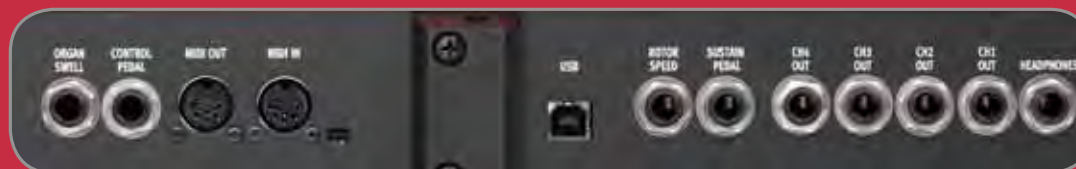
DIMENSIONS

- Nord Stage EX 88:
1297 x 121 x 334 mm (51 x 4.5 x 13")
- Nord Stage EX 76:
1132 x 121 x 334 mm (45 x 4.5 x 13")
- Nord Stage EX Compact:
1111 x 102 x 297 mm (44 x 4 x 12")

WEIGHT

- Nord Stage EX 88: 18.5 kg (41 lb)
- Nord Stage EX 76: 16.5 kg (36 lb)
- Nord Stage EX Compact: 9.7 kg (21 lb)

Specifications subject to change without notice.



NORD WAVE



Based on a legacy of inventing virtual analog synthesizers back in 1995, Nord takes the new generation of lead synthesizers to the next level. The Nord Wave gives you traditional analog sounds that interact and coexist with pretty much anything you want; by combining analog, FM synthesis, wavetable and sampled waveforms - you can use literally any standard audio file as a sound source. It is a great sample player and analog synthesizer, and so much more!

nord wave

S Y N T H E S I Z E R



NORD WAVE TECHNOLOGY ALLOWS YOU TO INTEGRATE DIGITAL SAMPLES IN AN ANALOG ENVIRONMENT. MASSIVE WAVEFORM CAPABILITIES, FILTERS AND EFFECTS WILL GENERATE SOUNDS MOST DEFINITELY NEVER HEARD BEFORE.

You might get the impression you are looking at a regular analog style synthesizer. Nothing could be more right - nothing could be more wrong.



The introduction of sample players in the mid eighties created a gap in the world of synthesizers - a gap that twenty years later only has grown wider. The Nord Wave closes that gap, and brings the user replaceable samples to life again by integrating them in a virtual analog environment. Does the better of two worlds sound too pretentious for you? Wait until you have heard the Wave.



WHAT IT IS ALL ABOUT

By having two oscillators capable of producing a vast array of sounds from classic analog waveforms (with sync), FM synthesis, wavetables, sampled waves (single cycle waveforms with attack) as well as noise and other miscellaneous waveforms, the Nord Wave has an unprecedented pallet of sounds for you to use as foundation. Need a rich and full string quartet? No problem, just call up a string sample. Want a highly resonant screaming lead? Sure; virtual analog is there, but why not combine them, not just mix them together? With the Wave, you can create an analog lead with the harmonic content of the sampled string quartet! With oscillator modulation you can transfer the character of one sound to the other - for instance, a sampled string to an analog square. By controlling the amount of modulation the effect can range from very subtle to extremely aggressive, so that the original waveforms are no longer recognizable. Within moments you will experience sounds never heard before, sounds that will function as a great source of inspiration and lift the joy of playing and sound design to new levels.

DIGITAL SAMPLES IN AN ANALOG ENVIRONMENT

The sound of a resonant filter with a 24dB slope applied to a sampled sound brings it so much to life that some times this is all you need, but there are many other parameters available to affect your samples. All elements of an analog synthesizer can be incorporated: amplifier and modulation envelopes, LFOs, filters, and effects.



OSCILLATOR MODULATION

Oscillator 1 uses two types of oscillator modulation to bring out different characteristics to a blended sound: Phase Modulation and Frequency Modulation. Disparate sounds can be achieved depending on the combination of waveforms generated by the two oscillators – using oscillator modulation, particular characteristics of those waveforms can be seamlessly blended and enhanced to make a new kind of sound. For example, an analog triangle waveform will adopt much of the details of the modulating waveform and make an almost transparent, synthesized effect using Phase Modulation. An analog saw waveform will still sound hard when modulated, so wavetables can be used instead to create variations in tonal character. Frequency Modulation has a more dramatic effect, widening the harmonic content and preserving more of the character of the original waveform.



HIGH QUALITY SAMPLES

To us, quality supersedes quantity. Great samples are not determined by their size in bytes, but by how well their detail and character are preserved. To assure that our samples meet the highest Nord standards, we have teamed up with several sample creators – such as Kirk Hunter Studios and Sonic Reality – and licensed some of the very best samples available. Nord online offers a large number of top quality samples specially created for the Nord Wave – available free of charge.

By storing sample data in a Flash memory, existing samples can be easily and quickly replaced, including the factory preset samples. Nord's compression algorithm allows for, on average, 2 to 3 times data compression of any samples you want to download to the Nord Wave – without any loss of quality. Flash memory also means that samples are instantly available, meaning instant access even for complex programs. No hard drive or other type of media is needed for storing samples when you shut down the Wave; once the unit has powered up you have direct access to all the samples at the turn of a knob.

USE YOUR OWN SAMPLES

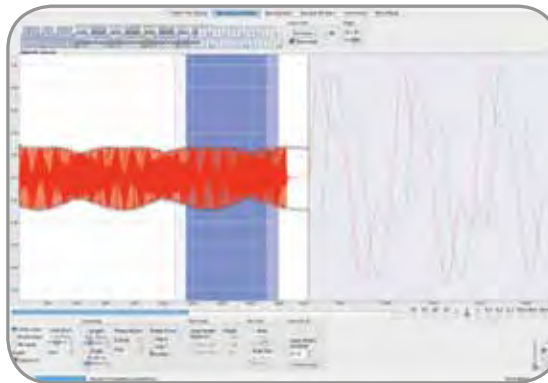
Nord Wave offers the unprecedented power to use any audio recording as an oscillator source in a virtual analog environment. Simply import any standard audio file to the Nord Sample Editor software, map it to a key, and you are ready to go!

EASY TO USE MANAGER

The Nord Sample Editor and the Nord Sound Manager, developed for OS X and Microsoft Windows, are designed to keep things fast and simple. Back up and rearrange programs and samples, transfer Sample Instrument files, or map your own audio files across the keyboard. You will appreciate the same directness as you'll find on the Nord Wave panel, in the way these applications work.



The Nord Sample Editor includes several features to speed up the usually tedious job of arranging and adjusting individual samples. If you have a single audio file with chromatic (or any other interval) recording of each note, you will be up and running within seconds, it is that fast and intuitive to use. Keeping functionality in focus, it provides the visual tools needed to do the job as fast as possible without a cluttered GUI. The Nord Sample Editor will be a powerful tool to get your samples into the virtual analog environment of the Nord Wave.



TWO SYNTHS IN ONE

Using the Slot function, you can seamlessly switch between two sounds without cutting off any sustaining notes, or

you can layer two sounds together to create a massive sound palette. Everything is easily controlled by the Slot A & B buttons conveniently located near the pitch stick, mod wheel, and octave-switching buttons, making them as much performance controllers as programming features.

MODULATION EXCESS

One way to assess the flexibility of a synthesizer is to look at its modulation capabilities. The Nord Wave comes with plenty of these with two LFOs with wide frequency ranges, one of these can actually double as an envelope if it is set to single cycle mode. These two LFOs have five waveforms and seven modulation destinations each. And you do not have worry about using an LFO on creating vibrato, that important function has its own set of parameters. There is a dedicated Modulation Envelope that can be set in AD or AR-modes, with six possible destinations.

FILTER FLEXIBILITY



High quality resonant filters are one of the most important ingredients when creating memorable sounds. The Nord Wave incorporates a total of six different high-quality filter types. Included with standard low-, high- and band-pass filters, the Wave features a multi peak filter, comb filter, and a format filter, which creates vowel effects. Filter parameters can be modulated via the dedicated ADSR envelope, velocity, any of the LFOs, or the Modulation Envelope. Using Morph Grouping you can even modulate the modulators!



nord wave

SUPER SOUNDS

MASSIVE NORD WAVE PROGRAM LIBRARY

Not only can the Nord Wave use samples, FM synthesis and digital waveforms to complement its already fat and juicy analog style waveforms, it is designed around a very powerful synthesizer architecture that provides you with loads of modulation and sound sculpting capabilities.

We asked some of the planet's most talented synthesizer programmers to make their version of the ultimate Nord Wave Program Bank. The results were so amazing that instead of making a couple of best-of banks, we decided that all of these great sounds had to be released.

The banks reflect the musical heritage and sound preferences of each and every programmer with plenty of personality. Look e.g. for vintage and skyscraper huge sounds in Chris Martirano's US bank, modern characters that cuts through the everyday mush in the progressive Canadian and Italian banks, and a unique mix of Belgian-French haute couture from our friend Xavier Tribolet in the French bank.

The German bank is as efficient as the country's rail- and highway system and the Dutch entry will make you think of tulips, the best of beer and excellent craftsmanship. The Future Music UK bank was conceived as a special project with the magazine. No less than three entire programming teams were set to work on this mission, which will blow your mind.

The Nord Wave Factory programs also contain lots of material from a couple of our long-time and regular Swedish friends. We have a PhD, a Recording and Sound Synthesis teacher, a hitmaker who has written songs to Westlife, a film music composer and several other great contributors in our very versatile sound design crew.



Listen to the Nord Wave at
www.nordkeyboards.com



MORPHING

Nord's unique Morph Grouping technique allows you to alter the setting of virtually any sound-related parameter in real time with the modulation wheel, control pedal, note velocity or note number. You can have the filter open up as you strike a key harder, or use the modulation wheel to change the amplifier envelope from pad-

to pluck-style at the same time as the filter resonance is increased. Several Morph setups can be used simultaneously, allowing you to change your sound drastically as you play. Complex Morph scenarios are available, and setting them up could not be easier or more intuitive - simply hold the corresponding Morph controller button and tweak the parameters all you want.



EFFECT SECTION

The effect section gives your sound a final touch. Whether it is just a small amount of reverb, chorus, a massive delay, or tube-style overdrive, your sounds become more dynamic with rich effects without having to use outboard gear. Five different reverb algorithms are provided, from a small room to a large hall. The delay has stereo capabilities, and a tap-tempo function as well as selectable feedback amount. There are three chorus algorithms, and the tube overdrive can span from a subtle boost to crushing distortion.



CHORD FUNCTION

The Chord function lets you add any number of intervals to the notes you are playing. Add a single 5th note for a classic synthesizer effect, or a chord - you decide! Simply hold the Chord button and play the intervals on the keyboard. Release the chord button and the intervals you just played will be added to any single note you play.

STICK TO THE PITCH

The Clavia-patented pitch stick gives you pitch and vibrato control similar to what a guitarist or a violin player has. With no detent, or "dead-zone", you can apply very subtle vibratos, pitch changes, and everywhere in between.



USER FRIENDLY

Ergonomically fitted around your left hand are pitch and modulation controls, the Program Change-dial, Octave Shift, Chord, Panel, and Keyboard Focus buttons. With all these controls in one place, quick and easy adjustments to major settings during performances are possible.

BUILT FOR PERFORMANCE

With 25 years of experience of designing instruments to be used by professional musicians, we know the importance of making the technology completely transparent. Control of your sound is paramount to performance, and that cannot be honored with just a few knobs for an endless array of submenu parameters. That is why we have a physical knob or button for every sound-related parameter on the front panel. No menus or page buttons should limit your expressiveness during a performance.



ACCESSORIES

SOFT CASE

Keep your Nord instrument in perfect shape with the ultimate soft case, featuring a plush interior, thick padding, and the distinctive Nord red color. The mid-sized pocket will hold all your cables and accessories. Carrying handles, shoulder strap, and two backpack straps lets you carry your instrument any way you want.

SUSTAIN PEDAL

Sustain pedal.

DUST COVER

Cover and protect your Nord unit with the matching Dust Cover.



Sustain Pedal



Dust Cover



Soft Case

FREE UPGRADES

OS upgrades and samples can be downloaded free of charge from www.nordkeyboards.com



TECHNICAL SPECIFICATIONS

nordwave
SYNTHESIZER

GENERAL

- 4 octave (49-keys) velocity and aftertouch sensitive keyboard
- 189 MB Flash Memory (180 MB for user samples)
- 18 stereo voices
- Wooden Pitch Stick
- Modulation Wheel
- LCD-window and Value Dial
- Master Level Control
- 3 Morph Sources (Modulation Wheel / Control Pedal, Note Number, Note Velocity)

SYNTH SECTION

- 2 part multitimbral synth section:
- OSC1: Triangle, Square, Saw (with sync), 62 waveforms, 2-operator FM, Noise.
- OSC2: Triangle, Square, Saw, up to 99 Sampled Instruments (user defined), 2-operator FM, 22 Sampled Waves. Transpose and Fine Tune.
- Oscillator Modulation: Frequency Modulation or Phase Modulation with Amount Control.
- Filter: 6 types of single or multimode filters with Frequency, Resonance, Keyboard Tracking and Envelope control.
- Amplifier Envelope: ADSR controls.
- Modulation Envelope: selectable AD or AR controls.
- LFO 1 Waveforms: Square, inverted Saw, Triangle, Random and Soft Random.
- LFO 2 Waveforms: Square, Saw, Triangle, Random and Soft Random.
- Mono Mode: Mono or Legato with Glide-function.
- Chorus: 3 intensity settings.
- EQ: 2-band fixed.
- Output Level

PROGRAM SECTION

- 1024 program locations
- Slot A & B buttons
- Octave Shift

EFFECT SECTION

- Tube style Overdrive
- Stereo Delay with tap-tempo function.
- Reverb with 5 algorithms

CONNECTIONS

- 2 Line Level Audio Outputs
- Stereo Headphone Output
- Sustain Pedal
- Control Pedal
- USB-interface
- MIDI in & out

INCLUDED ACCESSORIES

- User Manual
- Power Cord
- USB Cord
- Nord DVD-ROM

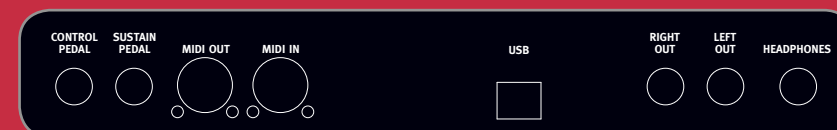
DIMENSIONS

- 870 x 274 x 98 mm (34.3 x 10.8 x 3.9")

WEIGHT

- 6 kg (13.3 lbs)

Specifications subject to change without notice.



NORD LEAD 2X



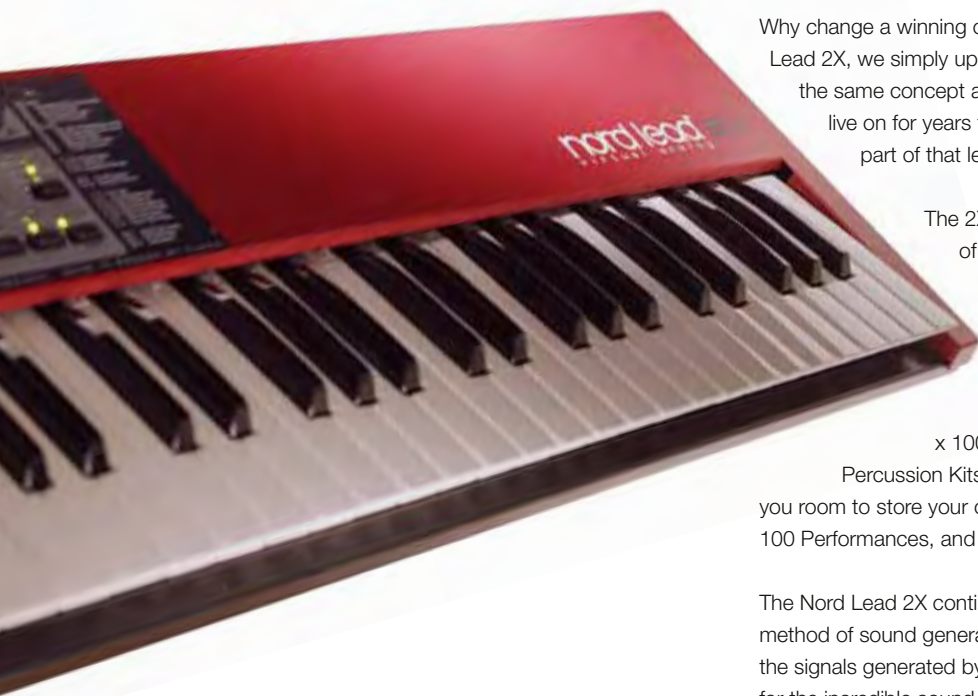
The warm analog sound coupled with cutting-edge digital technology has placed the Nord Leads into a leading position in the synthesizer community. Musicians from all over the world love the simplicity, intuitive design, and the musicality and expression offered with the virtual analog concept.

nord lead[®] 2X virtual analog

THE LEGACY LIVES ON

Used every day, worldwide on stage and in the studios, Nord Leads has contributed to the signature sounds of some of the most popular musicians and producers on the planet. The Nord Lead 2X brings you more.





PURE CLASSIC

Why change a winning concept? We didn't! With the Nord Lead 2X, we simply upgraded the hardware, maintaining the same concept and sound. Virtual analog sound will live on for years to come, and the Nord Lead 2X is part of that legacy.

The 2X features all the characteristics of its predecessor, and incorporates many new features as well. The "in your face" sound has been enhanced with 24-bit D/A converters. The preset memory houses 7 x 99 factory Programs, 3 x 100 factory performances, and 7 x 10 Percussion Kits. Additionally, the user banks give you room to store your own sounds - 3 x 99 Programs, 3 x 100 Performances, and 3 x 10 Percussion Kits.

The Nord Lead 2X continues the tradition of Nord's unique method of sound generation. Mathematical simulations of the signals generated by analog oscillators are the basis for the incredible sound that speaks for itself. People know Nord by its sound, and the Nord Lead 2X gives you that certain quality that is unmistakable!

STAGE & STUDIO SYNTH

The compact and smart design makes it equally perfect for live performance and for production studio work. With 26 knobs and 27 buttons - all sending MIDI controller data - the Nord Lead 2X communicates with every piece of MIDI gear in your setup.

In your studio, the Nord Lead 2X can be used as a sound design tool and a MIDI controller in one. Every production studio needs a synth, and what can be more reliable than a dedicated hardware synth that allows realtime sculpting of custom sounds?

Sporting 20 voices of polyphony, it is perfect for layered pads, screaming leads, and thick booming basses. The keyboard can be split, and two sounds can be layered on either side of the split point. You can have four simultaneous programs playing at once, and with a movable split point, the possibilities are captivating.

The Nord Lead 2X is 4-part multitimbral, and these four parts are used together in the Performance Mode. It also has four assignable outputs, so each Performance voice can be routed to its own analog output. Imagine the 2X in a multi-monitor studio setup, or in a creative multi-speaker PA system, and you can begin to see how much fun the Nord Lead 2X can be.

VIRTUAL ANALOG

Part of the allure of classic synthesizers is the physical control of the sound. If you want to change the shape of the sound, you turn a knob. Then digital technology changed synthesizers, replacing those knobs with a handful of buttons, a small LCD, and a toppanel graphic that displayed the sound engine's routing.

Virtual analog brings the technology and physical control together, recreating the warm, thick sound of analog synths without the overheating or tuning deficiencies. Modern technology allows the knobs to not only digitally manipulate the internal sound, but also send MIDI information to be captured in a sequencer or change a parameter on another MIDI-enabled device.

Nord is known for many things, including the unique Pitch Stick and modulation wheel combo. With the Pitch Stick, you can create your own vibrato, much like a guitarist or violinist, without the "dimple" resting place other pitch benders use. The "dead zone" has been conquered! The ergonomic handling adds another dimension to your performance.



Listen to the Nord Lead 2X at
www.nordkeyboards.com

VELOCITY PROGRAMMING

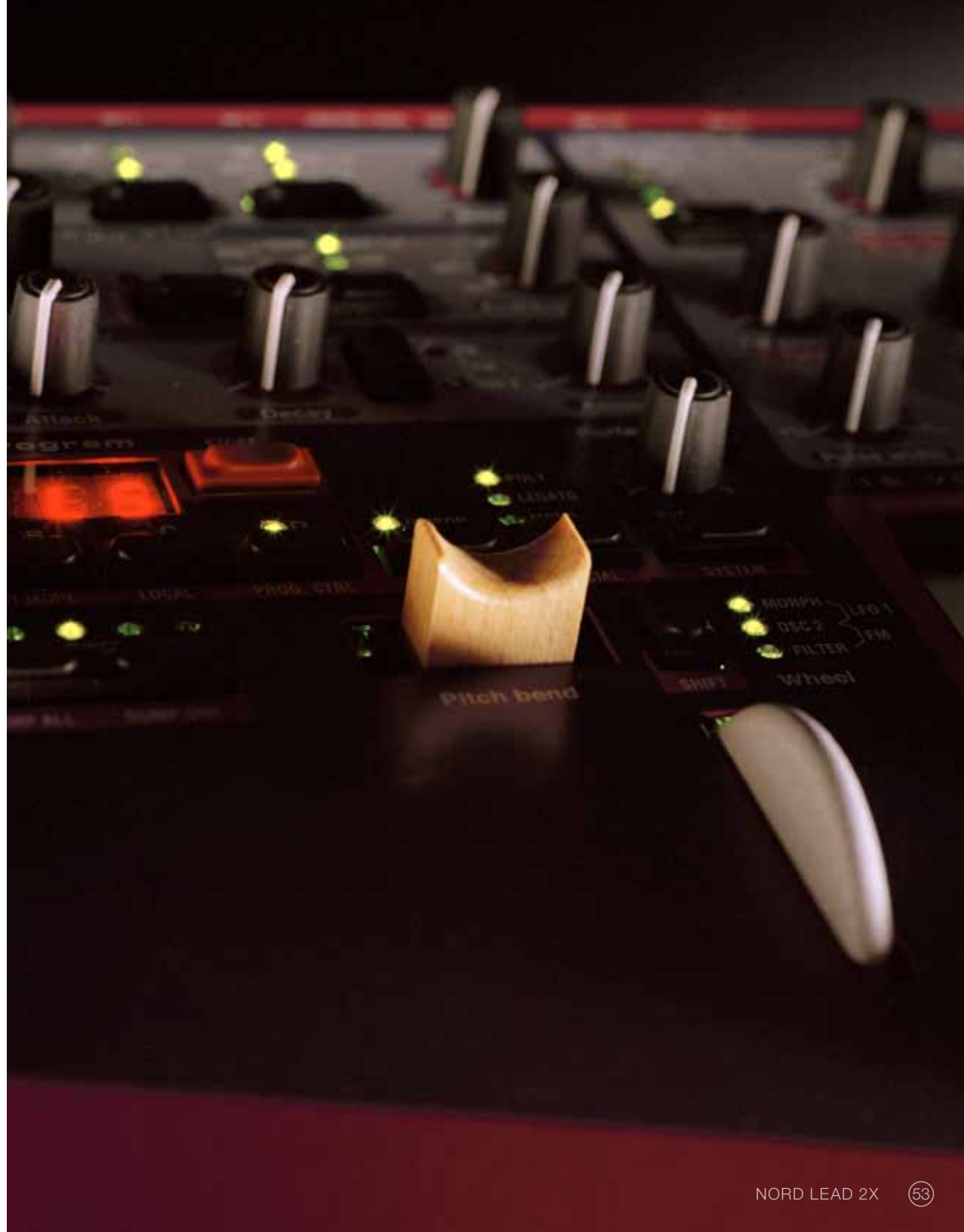
A special Velocity Programming section can be controlled by the Modulation Wheel, making it possible to continuously morph between parameter settings. This feature is a musically expressive tool that allows you to shape your sound in realtime.

MIDI

Let's go MIDI controlling! In the studio, the Nord Lead 2X offers real time MIDI recording of knob settings and special "MIDI patches" to recreate many of the effects produced by external patching on traditional units. For example, let your pre-recorded drum pattern trigger filter and amplifier envelopes, where the hi-hat pattern triggers the filter envelope and the kick drum pattern simultaneously triggers the amplifier envelope.

NORD RACK 2X

Nord Lead 2X is also available in a rack version; Nord Rack 2X.



ACCESSORIES

SOFT CASE

Keep your Nord instrument in perfect shape with the ultimate soft case, featuring a plush interior, thick padding, and the distinctive Nord red color. The mid-sized pocket will hold all your cables and accessories. Carrying handles, shoulder strap, and two backpack straps lets you carry your instrument any way you want.

SUSTAIN PEDAL

Sustain pedal.

DUST COVER

Cover and protect your Nord unit with the matching Dust Cover.



Sustain Pedal



Soft Case



Dust Cover

TECHNICAL SPECIFICATIONS

POLYPHONY

- 20 voices. 4 part multitimbral.

SPECIAL FEATURES

- Velocity Morphing: each function, controlled by a knob, can be controlled to respond to key-board velocity. Wheel Morphing: each function, controlled by a knob, can also be controlled by the Modulation Wheel/Control Pedal to continuously fade between two sets of values.

PERFORMANCE CONTROLLERS

- 4 octave velocity sensitive keyboard with octave shift buttons (+/-2 oct.).
- Keyboard Split, two sections.
- Modulation Wheel
- Pitch Stick (with no dead zone at zero crossing)
- 1 pedal input for sustain
- 1 for expression pedal

USER INTERFACE

- 3 digit display, 26 knobs and 27 buttons for program editing.

OSCILLATOR SECTION

- OSC 1 generating sine, triangle, sawtooth or pulse with adjustable width, waveforms. OSC 2 generating triangle, sawtooth or pulse (with adjustable width) waveforms and can also generate noise with a color control. OSC 2 can be hard-synched to OSC 1.
- Linear deep frequency modulation of osc 1 from osc 2. A wide range of new waveforms with a strong formant character is achieved with the new synchable noise, where noise can be synched to OSC 1.

FILTER SECTION

- 12 dB (2-pole) low pass, 24 dB (4-pole) low

pass, band pass or high pass and notch with 12dB low pass. Cut off, resonance, envelope amount, envelope amount controlled by velocity. ADSR envelope. Filter keyboard tracking can be set to full, half or off. Filter distortion.

AMPLIFIER SECTION

- ADSR envelope, gain control.

MODULATION SECTION

- LFO 1 generating triangle, saw, pulse, LF filtered noise and random staircase routed to OSC1+2, OSC 2, filter, pulse-width and FM amount.
- LFO 2 produces a triangle waveform, routed to OSC 1 and 2 or amplifier. It also controls the rate for the arpeggiator. Arpeggiator: Range: 1 - 4 octave. Modes: up, down, up/down, random. Hold function. Echo can be set between 1 to 8 repeats. Modulation envelope (attack, decay) for OSC 2 pitch, FM amount and pulse width.

PERFORMANCE SECTION

- Play mode: Poly, legato, mono, unison mono, unison poly. Manual mode. Four program slots for layering possibilities. Portamento/auto portamento.

PERCUSSION KITS

- 10 "analog" drum kits. Each percussion kit consists of 8 independent sounds, configured in 8 zones across the keyboard.

MEMORY

- Programs (single sounds): 297 (3 x 99) user, 693 (7 x 99) factory
- Performances (multi sounds): 100 user, 300 (3 x 100) factory
- Percussion kits (multi zone sounds): 30 (3 x 10) user, 70 (7 x 10) factory.

nord lead[®] 2X
virtual analog

AUDIO OUT

- 4 outputs. Each slot has its own output. Modes: stereo, mono and multi-timbral mode. Headphones output. High resolution low noise 24 bit DACs.

MIDI FEATURES

- All control knobs and switches for program editing send and receive control change messages. System exclusive bulk dumps. One program or all programs. MIDI clock synchronizing LFO 1 and LFO 2/arpeggiator restart. Triggering of the filter and amplifier envelopes and velocity control from separate programmable MIDI channel and note numbers.

CONNECTIONS

- 4 Line Level Audio Outputs - 1/4", 6,35 mm jacks, unbalanced
- Stereo Headphone Output - 1/4", 6,35 mm stereo jack
- Sustain Pedal - 1/4", 6,35 mm jack. Use a momentary pedal, like e.g. Roland DP-2, DP-6, Yamaha FC-4, FC-5, Fatar VFP1-25 etc.
- Control Pedal - 1/4", 6,35 mm TRS stereo jack. Use a Roland EV-5 Control/Expression pedal
- MIDI in & out - 5 pin DIN connectors

INCLUDED ACCESSORIES

- User Manual
- Power Cord with IEC320 C7 connector
- Nord CD/DVD-ROM
- Rack Ears (Nord Rack 2X only)

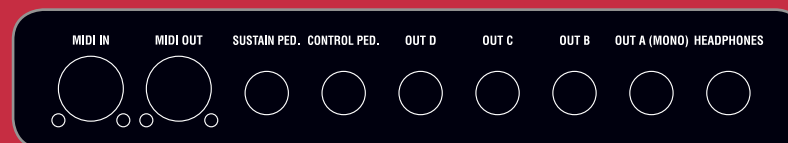
DIMENSIONS

- Nord Lead 2X: 865 x 265 x 105 mm (34 x 10.5 x 4.1")
- Nord Rack 2X: 440 x 160 x 110 mm (17.3 x 6.3 x 4.3")

WEIGHT

- Nord Lead 2X: 5.3 kg (11.7 lbs)
- Nord Rack 2X: 2.8 kg (6 lbs)

Specifications subject to change without notice.



NORD MIPA-AWARD WINNING PRODUCTS

| YEAR | CATEGORY | WINNER |
|------|---------------------------|----------------|
| 2000 | Synthesizer / Hardware | Nord Modular |
| 2002 | Synthesizer / Hardware | Nord Lead 3 |
| 2003 | Stage Piano | Nord Electro 2 |
| 2004 | Organ / Portable Keyboard | Nord Electro 2 |
| 2005 | Organ / Portable Keyboard | Nord Electro 2 |
| 2006 | Stage Piano | Nord Stage |
| 2007 | Stage Piano | Nord Stage |
| 2008 | Stage Piano | Nord Stage |
| 2008 | Organ / Portable Keyboard | Nord C1 |
| 2009 | Synthesizer / Hardware | Nord Wave |



WORLD WIDE NORD DISTRIBUTORS

Visit www.nordkeyboards.com for a detailed world wide distributor list.

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